SONY

# KV-X2521

MODEL

SERVICE MANUAL

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**SAFETY-RELATED COMPONENT WARNING !!**

**COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

# SECTION 1

# GENERAL

**Note)** The layout, etc., will be slightly different from the operating instructions packed with the units.

## 1–1. FIRST OF ALL

**1 Connect the aerial to the ⊓ socket on the rear of the set.**
**This socket receives the standard 75-ohm aerial plug.**
**2 Plug in the set.**
**3 Tune in the available channels.**

**Use the buttons inside the panel. To open the panel, push the center.**

**To tune in all channels automatically :**
1 Press ⇨ (preset).
2 Press PROGR to select the program position from which tuning is to start.
3 Press ⇨ (auto programing).

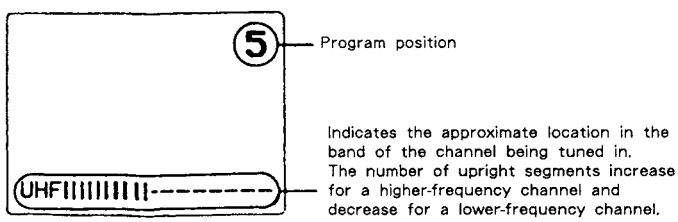
The channels will be tuned in and memorized in consecutive positions, beginning from the program position selected in step 2.
When tuning has been completed, the set returns to the position where tuning began.

**To tune in a channel in any desired program position.**
(e. g. the position which the same number as the channel) :
1 Press ⇨ (preset).
2 Press PROGR to select the desired program position.
3 Press C (clear).
4 Press ⇤⇥ (search) repeatedly until the desired channel appears.
5 Repeat steps 2 to 4 for all channels, if required.
6 Press ⇨ (preset) again.

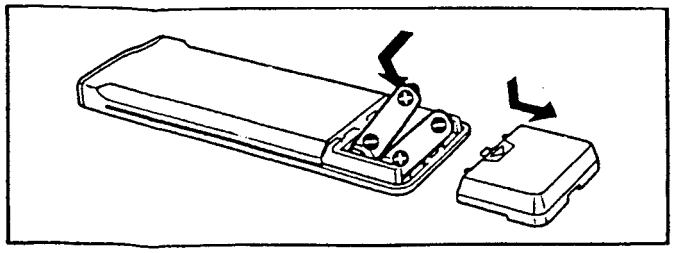
If the set is to be used in an area with poor reception, preset the program numbers between 1 and 19 for TV program use.

**To have the unused program positions skipped when PROGR+ or PROGR− is pressed**
1 Press ⇨ (preset).
2 Press PROGR to select the unused position.
3 Press C (clear).
4 Repeat steps 2 and 3 for all unused position.
5 Press ⇨ (preset) again.

**On-screen display while tuning**

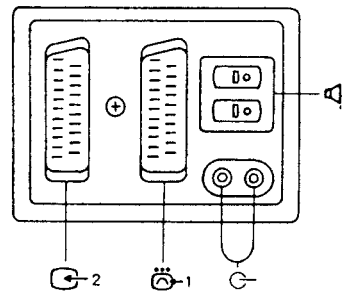

5
Program position
UHF
Indicates the approximate location in the band of the channel being tuned in. The number of upright segments increase for a higher-frequency channel and decrease for a lower-frequency channel.

**4 Insert two R6 batteries checking the correct polarity.**



## 1–2. CONNECTING OTHER EQUIPMENT

**Connectors on rear set**




| | | |
|---|---|---|
| L/G/S | Left external speaker terminal (2-pin DIN) | Connect to external speakers. The TV speakers will be disconnected. speakers 8–16 Ω |
| R/D/D | Right external speaker terminal (2-pin DIN) | |
| R/D/D | Right audio output jack (phono jack) | Connect to audio equipment. When only using the phono-jacks, two loudspeaker plugs, (DIN 41529) should be insarted into the extemal speaker termi nals so that the TV spaker output is switched off. |
| L/G/S | Left audio output jack (phono jack) | |
| 1 | 21-pin connector (CENELEC standard) | Connect to a VTR micro computer, etc. The picture of the TV channel being received is always output. The picture of 2 can be watched while recording a TV program with the VTR connected to 1. |
| 2 | 21-pin connector (without RGB input) | Connect to second VTR. The picture displayed on the screen is always output. The picture of 1 can be recorded with the VTR connected to 2 while monitaring the picture. |

**VTR operation using the supplied Commander**

Remote operation of the VTR is limited to the features and functions of the VTR. For further details, refer to the VTR manual.
When watching a video with the VTR connected to the ⊓ connector, set the channel for the video to the program number 0 or any empty channel between 20 and 29.

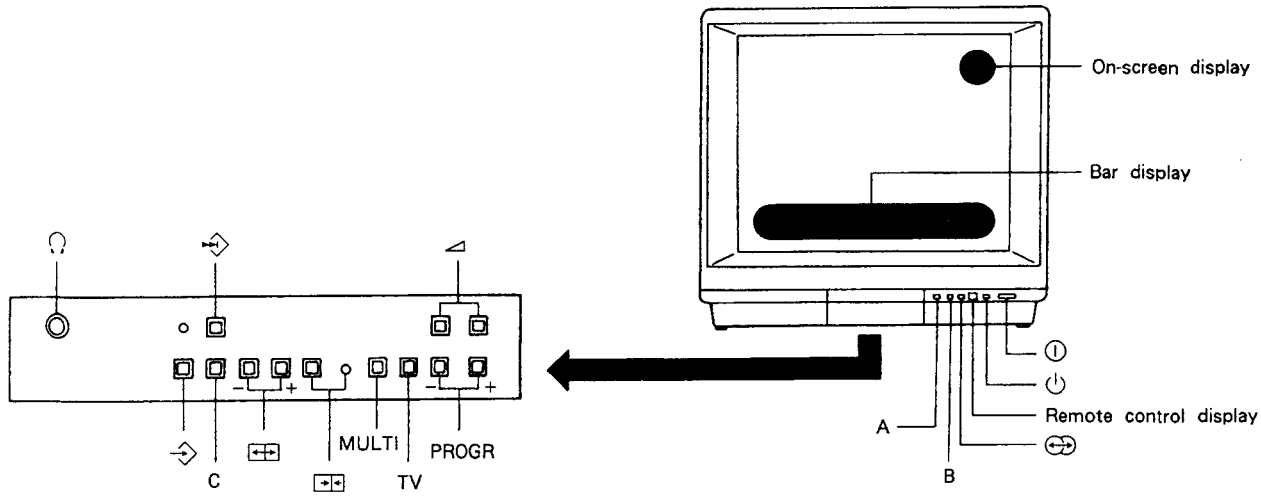
**Note**
Move the VTR away from the TV, if the picture or sound is distorted.

## 21 pin connector (1, 2)

| Pin No. | 1 | 2 | Signal | Signal level |
|---|---|---|---|---|
| 1 | ○ | ○ | Audio output B (right) | Standard level : 0.5 Vrms<br>Output impedance : Less than 1 k ohm* |
| 2 | ○ | ○ | Audio input B (right) | Standard level : 0.5 Vrms<br>Input impedance : More than 10 k ohms* |
| 3 | ○ | ○ | Audio output A (left) | Standard level : 0.5 Vrms<br>Output impedance : Less than 1 k ohm* |
| 4 | ○ | ○ | Ground (audio) | |
| 5 | ○ | ○ | Ground (blue) | |
| 6 | ○ | ○ | Audio input A (left) | Standard level : 0.5 Vrms<br>Input impedance : More than 10 k ohms* |
| 7 | ○ | ● | Blue input | 0.7 V ±2 dB, 75 ohms, positive |
| 8 | ○ | ○ | Function select (AV control) | High state (9.5–12 V) : Part mode<br>Low state (0–2 V) : TV mode<br>Input impedance : More than 10 k ohms<br>Input capacitance : Less than 2 nF |
| 9 | ○ | ○ | Ground (green) | |
| 10 | ○ | ○ | Open | |
| 11 | ○ | ● | Green/Green with sync input | Green signal : 0.7 V ±2 dB, 75 ohms, positive<br>Green with sync signal : 1 V ±2 dB, 75 ohms, positive |
| 12 | ○ | ○ | Open | |
| 13 | ○ | ○ | Ground (red) | |
| 14 | ○ | ○ | Ground (blanking) | |
| 15 | ○ | ● | Red input | (Same as Pin 7) |
| 16 | ○ | ● | Blanking input (Ys signal) | High state (1–3 V)<br>Low state (0–0.4 V)<br>Input impedance : 75 ohmes |
| 17 | ○ | ○ | Ground (video output) | |
| 18 | ○ | ○ | Ground (video input) | |
| 19 | ○ | ○ | Video output | 1 V ±2 dB, 75 ohms, positive<br>Sync : 0.3 V (–3, ±10 dB) |
| 20 | ○ | ○ | Video input | 1 V ±2 dB, 75 ohms, positive<br>Sync : 0.3 V (–3, ±10 dB) |
| 21 | ○ | ○ | Common ground (plug, shield) | |

* at 20 Hz–20 kHz ○ connected ● unconnected (open)

## 1–3. FUNCTION OF CONTROLS




### On the set

**On-screen display**
Indicates program numbers and input modes.

**Bar display**
Indicates the level of volume, color, brightness, contrast, bass, treble and balance.

**Note on function.**
When the volume is at the minimum setting the balance function will not operate.

**Power switch**
To cut off the mains power completely, press this switch. Depress the power switch fully to ensure correct operation of the set.

**Note**
To ensure correct operation, push the switch in fully.

**standby indicator**
Lights up brightly when the set is in the standby mode.

**Note**
If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

**space sound indicator**
Lights up when on the Remote Commander is pressed.

**A/B indicators**
One of them lights during bilingual broadcast. (Choose A or B with the Remote Commander.)
Both light during stereo broadcast. In AV mode, A lights for left channel, B for right channel, or A and B for both channels.

**Remote control detector**
Point the Remote Commander towards this detector.

### Inside the panel

**headphones jack (stereo minijack)**

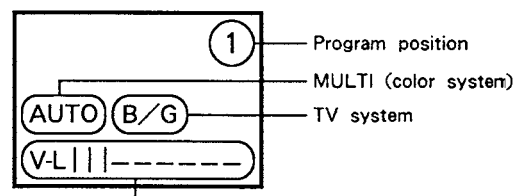
**SEARCH buttons**
Press to fine tune a weak channel manually, if required. When is pressed, the indicator (AFT) goes off and the AFT cricuit does not function on the selected channel. To restore the AFT circuit on this channel, press (AFT) so that the indicator lights up.

**AFT button and indicator**
Normally, press so that the indicator lights up.
The AFT circuit automatically fine tunes the channel for the best possible picture.

**volume buttons**

**PROGR+, PROGR– program scan buttons**

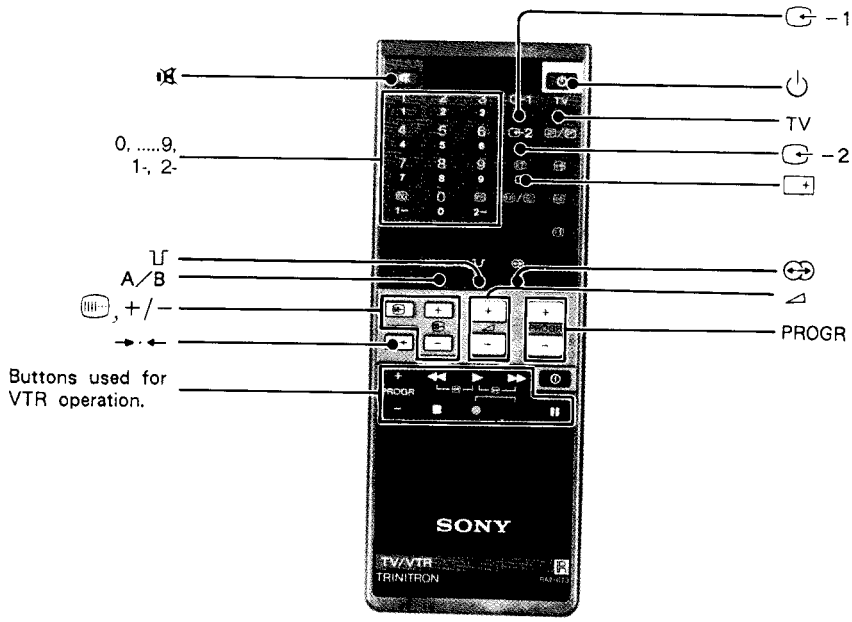
**On-screen display during presetting**




Indicates the approximate location in the band of the channel being tuned in.
"V-L" : low VHF band, "V-H" : high VHF band, "UHF" : UHF band.
The number of upright segments increases for a higher-frequency channel.

Each time TV button is pressed, the following indications appear in this order.
B/G : West European TV standard
I : British TV standard
M : American TV standard
D/K : East European TV standard
L : French TV standard

Each time MULTI button (COLOR SYSTEM) is pressed, the following indications appear in this order.
AUTO ; NTSC3.58 ;
Normally set to the AUTO position. The available color system is selected automatically.




RM-673

## On the Remote Commander

To operate the Commander, point it toward the remote control detector.

**mute button**

**0, ...., 9, 1-, 2- buttons**
To tune into :
program 15, press 1- and 5.
program 25, press 2- and 5.

**A/B button**
Press to select the language in a bilingual broadcast, or to select the channel in AV mode.

**, +/− analogue select buttons**
Press .
◑ will appear on the screen. Adjust by pressing + or −.
Press again and adjust (color), then ☼ (brightness), (bass), (treble) and (balance).

**→ • ← reset button**
Press to reset color, contrast and brightness to factory-set levels.

**standby button**
Press to change to the standby mode. Use this button to turn off the set for short periods of time.
To turn on the set, press TV or the program number ; there will be a slight delay before the picture is restored.

If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

**TV button**
Press to change to the TV mode from standby, input or teletext modes.

**1 input button**
Press to view the input picture coming in through the 1 connector.
"1" lights up on the screen.
Press TV or the program number to return to the TV mode.

**2 input button**
Press to view the input picture coming in through the 2 connector.
"2" lights up on the screen.
Press TV or the program number to return to the TV mode.

**on-screen display button**
Press to make the display appear on the screen.
Press again to make it disappear.

**loudness button**
Press to emphasize high and low notes.

**space sound button**
Press to obtain special acoustic effects.

**volume buttons**

**PROGR program scan buttons**

**Note**
Buttons not referred to on this page or next page do not operate.

## 1–4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. The buttons for teletext operation are indicated in green.

**Operation**

1 Select the TV channel for the desired teletext service.
2 Press ⊜/⊜ (TEXT/MIX) to display the teletext service.
Once ⊜/⊜ has been pressed, the TV channel cannot be changed.
3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three-digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the remote commander.

The teletext service can be displayed directly from the standby mode, by pressing ⊜/⊜.

**To receive the teletext service of a different TV channel**
1 Press TV to return to the TV mode.
2 Select the desired TV channel.
3 Press ⊜/⊜.

**Note**
To receive the teletext service accurately, keep ⊡ inside the panel switched on during teletext operation.

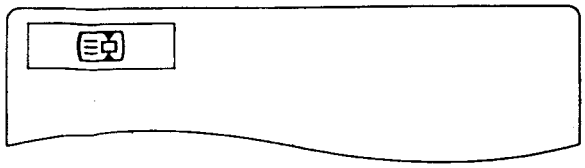
**To display the index page**
Press ⊜ (INDEX).
If the necessary signal is not being broadcast, page 100 is displayed.

**To access the next or preceding page**
Press ⊜ (PAGE+) or ⊜ (PAGE−).

**To superimpose the teletext display on the TV picture**
Press ⊜/⊜ twice from TV mode.
Press again to return to the TEXT display.

**To suppress the teletext display so that the TV picture is displayed**
Press ⊜ (TEXT CL).
This button can be operated from both the TEXT and MIX displays.

**To prevent a teletext page (subpage) from being updated /changed**
Press ⊜ (HOLD). The HOLD symbol appears at the top of the screen.



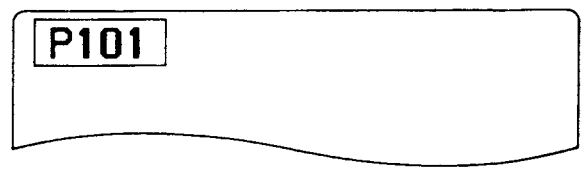
To resume normal teletext reception, press ⊜/⊜.

**To enlarge the teletext display**
Press ⊜.
Press once to enlarge the upper half of the display ; press again to enlarge the lower half of the display ; press again to return to the normal display.

**To reveal concealed infomation such as the answers to a quiz**
Press ⊜ (REVEAL).
Press again to conceal the answers.

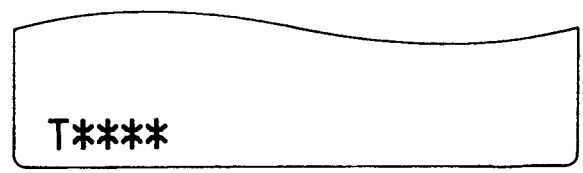
**To adjust the contrast of the teletext display.**
When in teletext mode, adjust by using the + or − keys adjacent to the ⊜ key.

**To watch the TV program while waiting for a requested page to be displayed**
1 Request the new page.
2 Press ⊜ to watch the TV program.
The requested page number appears at the top left of the screen.
When the requested page has been captured, the page number is displayed in the top left hand corner of the screen.

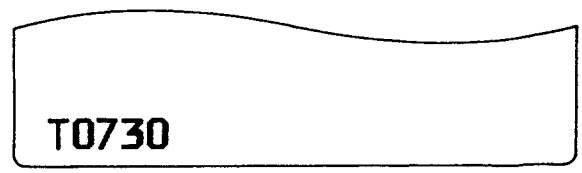



To view this page, press ⊜/⊜.

**To have a requested page displayed at a pre-determined time**
1 Request a time coded page (e. g. alarm page).
2 Press ⊜ (TP ON).
"T✱✱✱✱" will appear at the bottom of the screen.



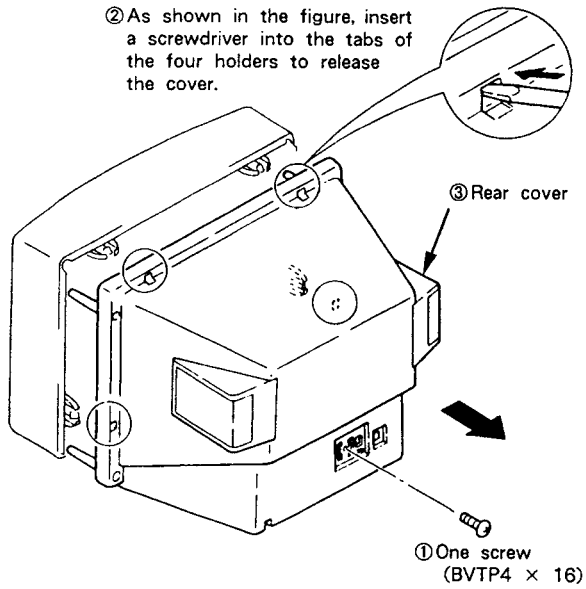

3 Enter your request time with the number buttons, using four digits. For example, 07 : 30.



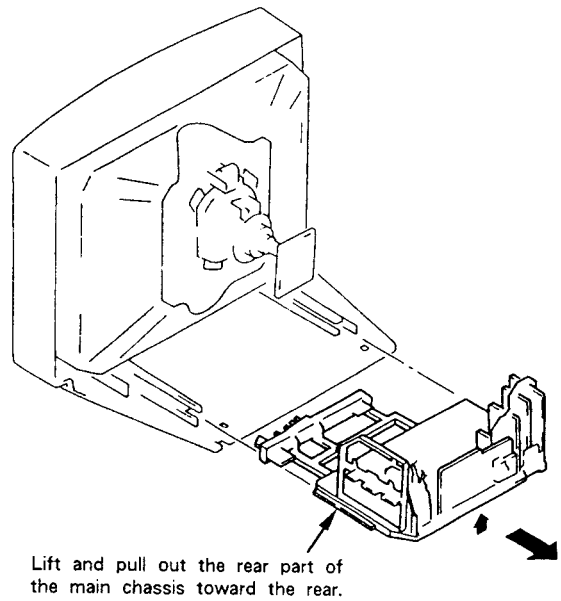

To watch the TV program until the requested time, press ⊜. At the requested time, the page number will be displayed at the bottom of the screen.
To view this page, press ⊜/⊜.
To cancel the request, first ensure that the teletext page is displayed, then press ⊜ (TP OFF).

# SECTION 2
# DISASSEMBLY

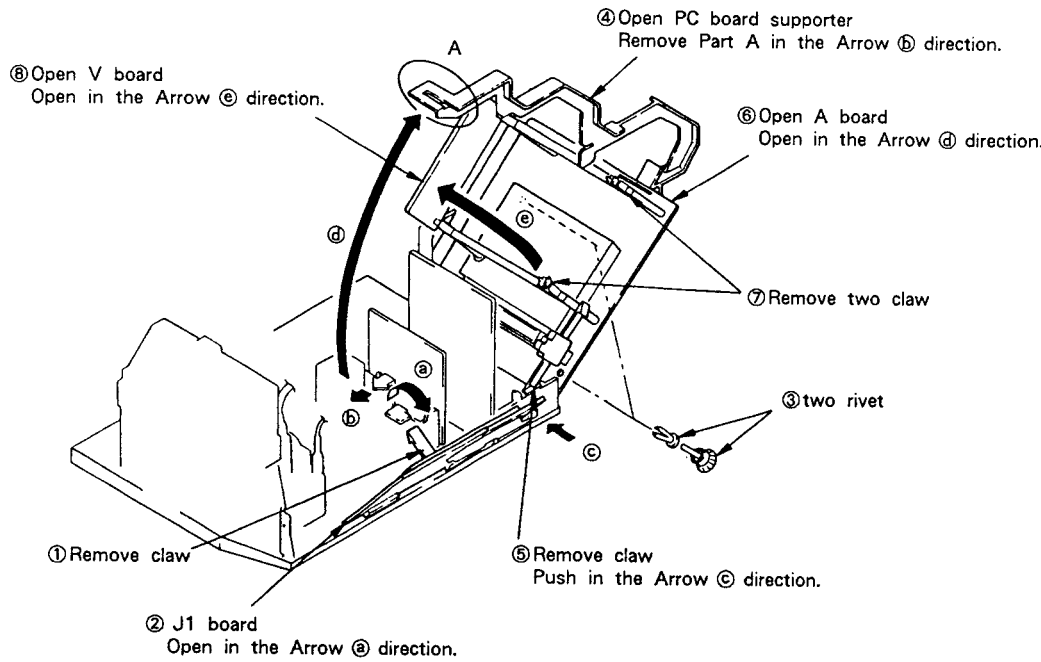
## 2−1. REAR COVER REMOVAL


②As shown in the figure, insert a screwdriver into the tabs of the four holders to release the cover.
③Rear cover
①One screw (BVTP4 × 16)

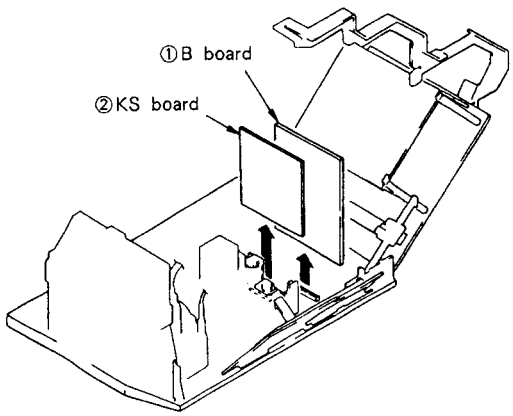
## 2−2. CHASSIS ASSY REMOVAL



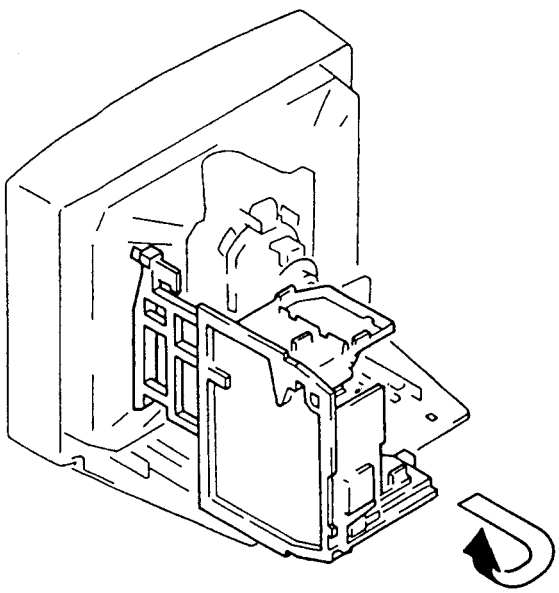

## 2−3. J1, A AND V BOARDS REMOVAL



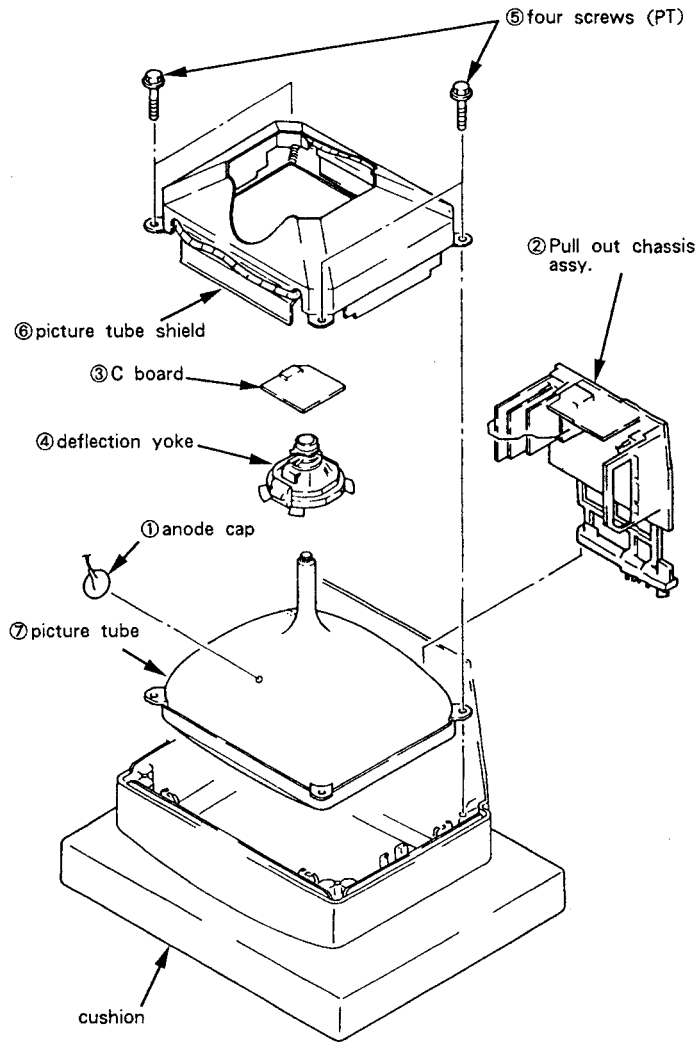
## 2-4. KS AND B BOARDS REMOVAL




## 2-5. SERVICE POSITION



## 2-6. PICTURE TUBE REMOVAL

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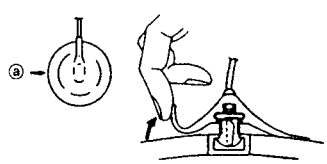
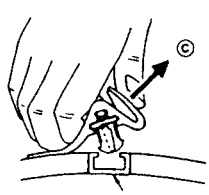
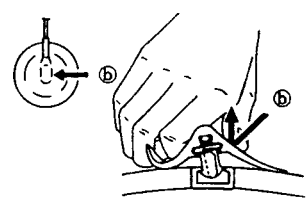
- **Removing Procedures**




① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.




② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.




③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⓒ.

# SECTION 3
# SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

◑CONTRAST control ····· 80% (or Normal by Commander)

☼BRIGHTNESS control ····· 50%

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

**Note :** Test Equipment Required.

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

**Precaution**

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in oder to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

## 3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
   CONTRAST ····· normal
   BRIGHTNESS ····· normal
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1 to 3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-1)
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-4)

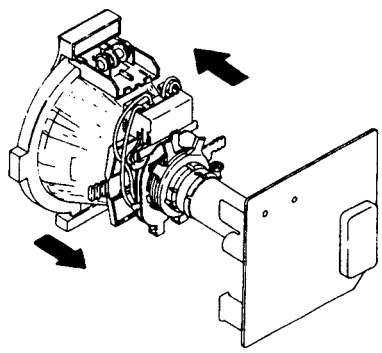


Fig. 3-1

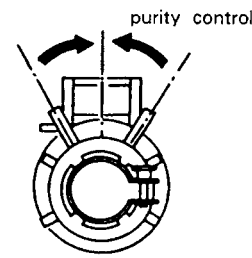



Fig. 3-2

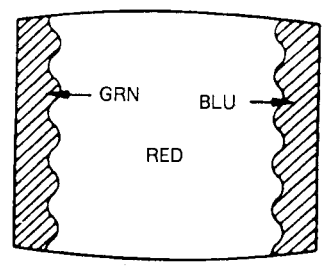



Fig. 3-3

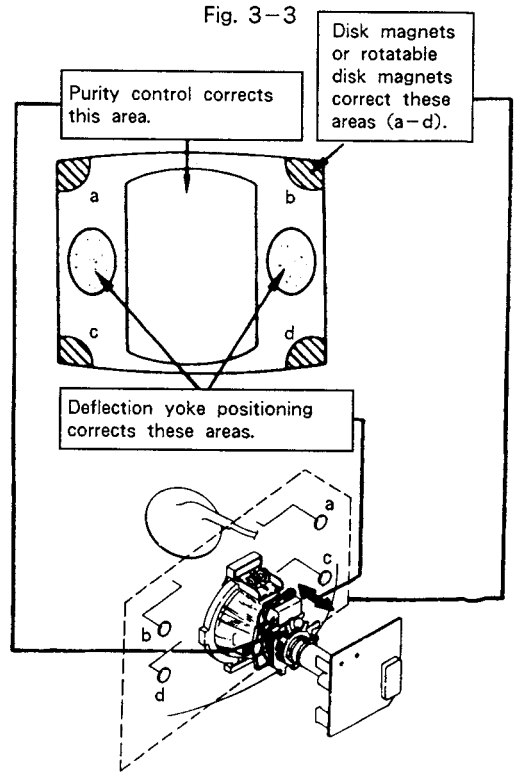


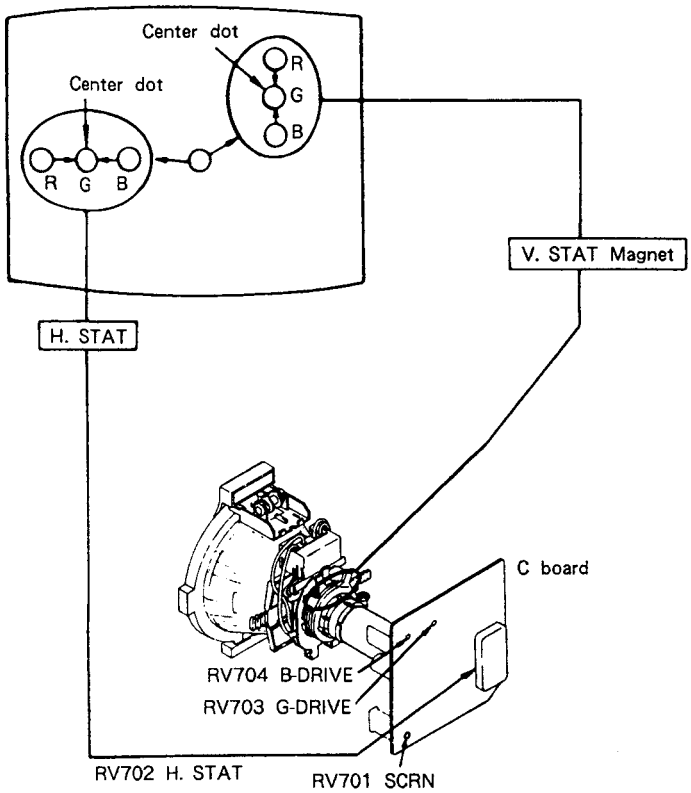

Fig. 3-4

## 3−2. CONVERGENCE

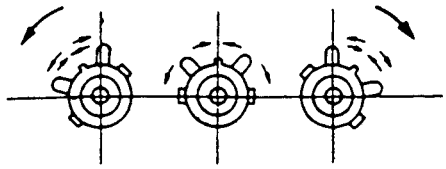
**Preparation :**

- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

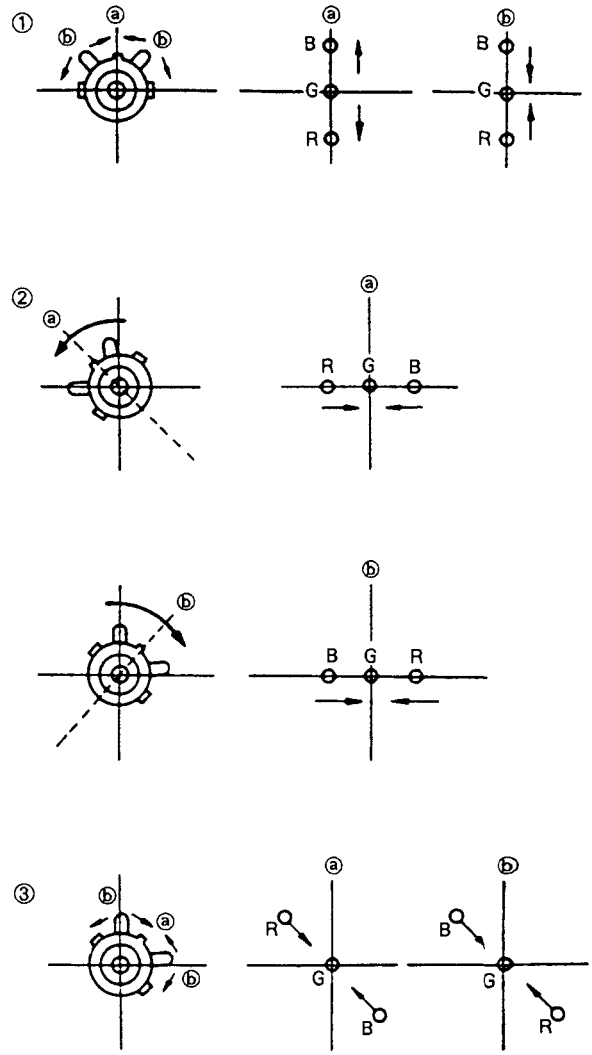
**(1) Horizontal and Vertical Static Convergence**



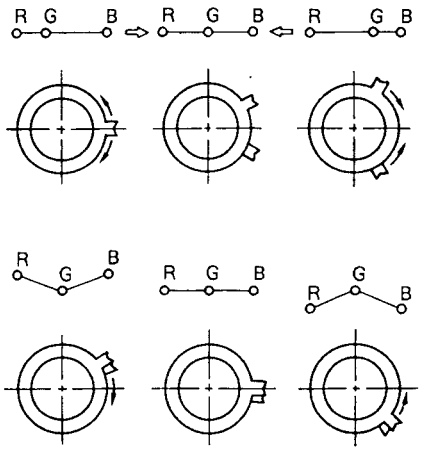

1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



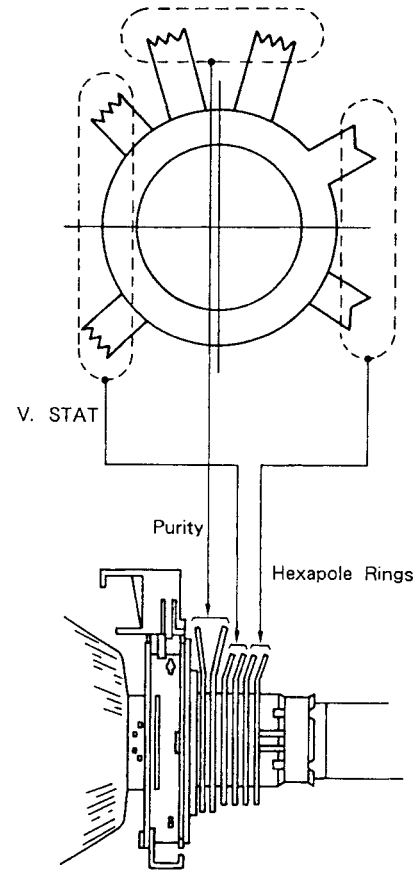
4. When the V. STAT magnet is moved in the direction of arrow ⓐ and ⓑ, red, green and blue dots move as shown below.



- **Operation of Hexapole Ringed Magnet**




The respective dot operations resulting from the operation of each magnet are not completely independent, so be sure to perform adjustment while tracking.
Use the H. STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

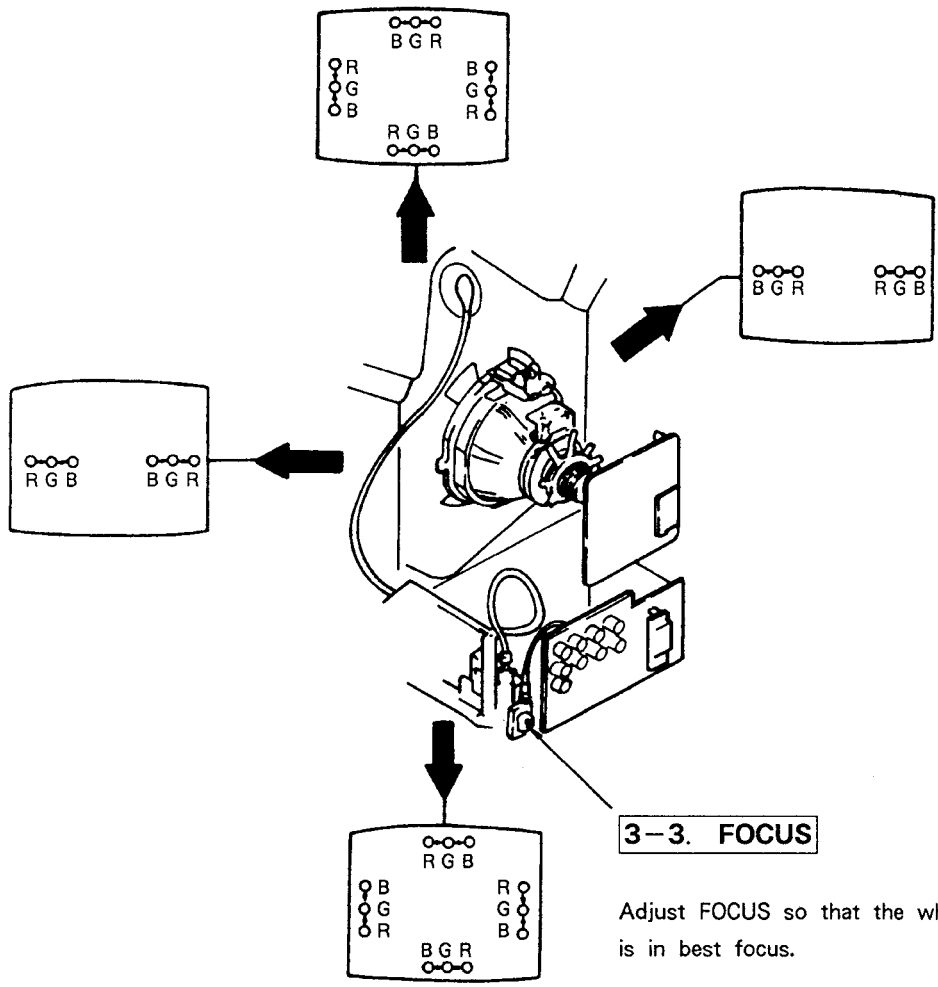


(2) **Dynamic Convergence Adjustment**

**Preparation :**

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

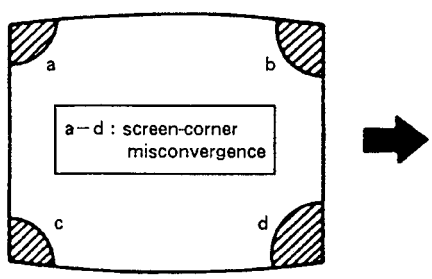
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

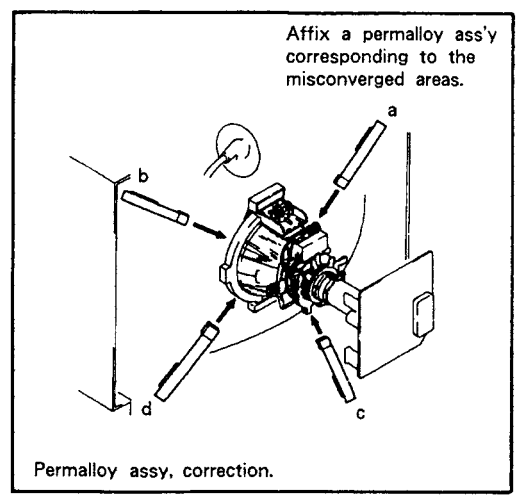



**3-3. FOCUS**

Adjust FOCUS so that the whole screen is in best focus.

(3) **Screen-corner Convergence**



## 3-4. WHITE BALANCE

**[Screen (G2) Setting]**

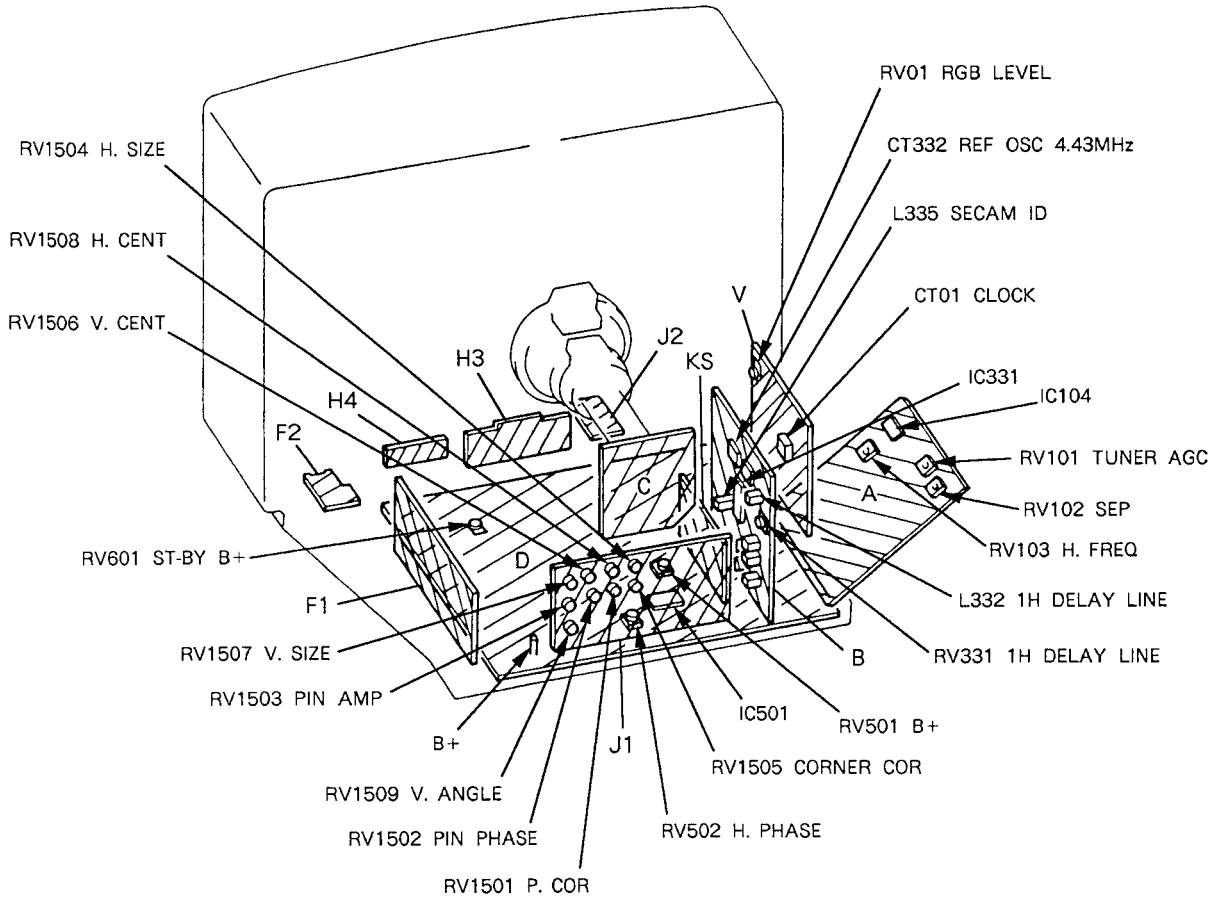
1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

**[White Balance Adjustment]**

1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

# SECTION 4
# CIRCUIT ADJUSTMENTS



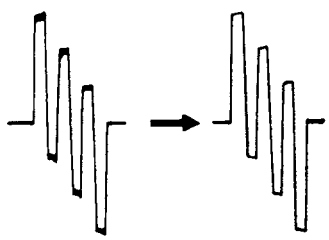

## 4−1. B BOARD ADJUSTMENTS

**REF OSC Adjustment (CT332)**

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑰ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

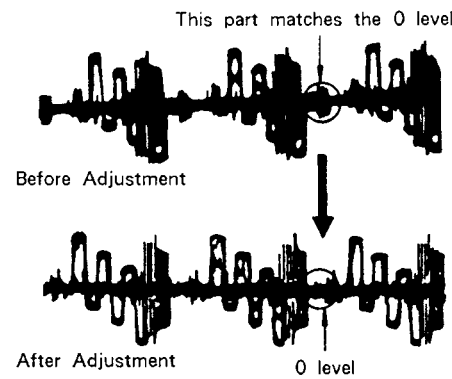
**1H DELAY LINE Adjustment (L332, RV331)**

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.



Before Adjustment  After Adjustment

4. Input a PAL TEST COLOR BAR pattern.
5. Rotate the RV331 VR and adjust till the ANTI-PAL part of the waveform matches the 0 level.



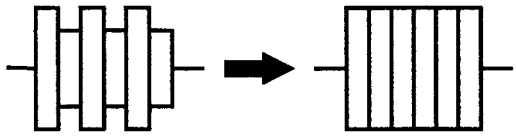

6. L332 and RV331 affect each other. So repeat till the conditions of both are met.

**SECAM ID Adjustment (L335)**

1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter to pin ㉑ of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

**BELL FILTER Adjustment (T331)**

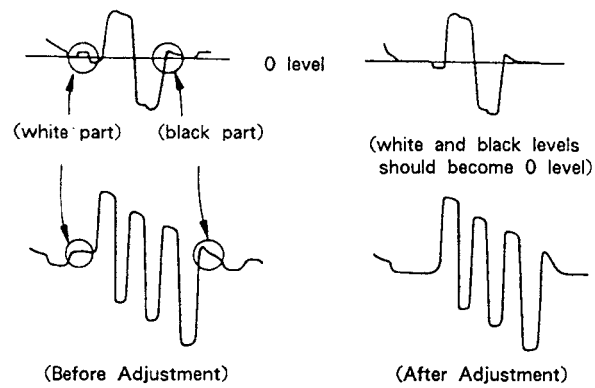
1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q335 emitter.
3. Adjust T331 so that the waveform becomes flat.



Before Adjustment  After Adjustment

**SECAM DISCRI Adjustment (L333, L334)**

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC331.
3. Adjust L333 so that white and black parts of the waveform of pin ① becames 0 level.
4. Connect an oscilloscope to pin ③ of IC331.
5. Adjust L334 so that white and black parts of the waveform of pin ③ becomes 0 level.




## 4−2. D BOARD ADJUSTMENTS

**B+ Adjustment (RV501)**

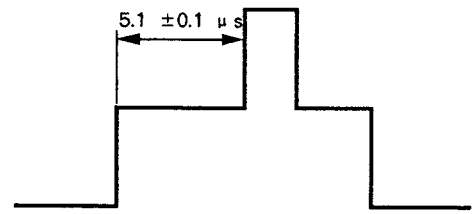
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes 135 ±0.2 V.

**ST-BY B+ Adjustment (RV601)**

1. Set up ⏻standby (Remote Commander) mode.
2. Connect the Digital Multimeter to TP91.
3. Adjust RV601 so that the voltage becomes 135 ±3 V.
4. Release the ⏻standby (Remote Commander) mode.

**H. PHASE Adjustment (RV502)**

1. Input a PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to 5.1 ±0.1 μs.




## 4−3. A BOARD ADJUSTMENTS

**TUNER AGC Adjustment (RV101)**

1. Tune in an off-air signal.
2. Adjust RV101 so that snow-noise and cross-modulation just disappear from the picture.

**STEREO SEPARATION Adjustment (RV102)**

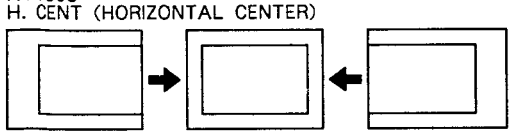
1. Input stereo signals. (L-CH 1 kHz, R-CH 400 Hz)
2. Check the stereo indicator.
3. Connect an oscilloscope to pin ① (L) of CNA11 through band pass filter of 1 kHz.
4. Adjust RV102 so that 1 kHz voltage goes down to the minimum.

**H. FREQ Adjustment (RV103)**

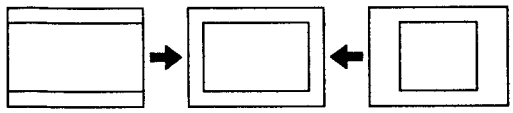
1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑫ of IC104 and ground.
3. Connect a frequency counter to pin ⑥ of IC104 through a probe of 10 : 1.
4. Adjust RV103 so that H. frequency becomes 15,625 ±50 Hz.

## 4-4. J1 BOARD ADJUSTMENTS

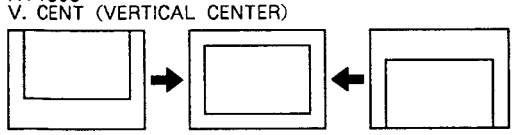
RV1508
H. CENT (HORIZONTAL CENTER)



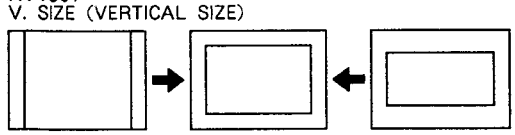
RV1504
H. SIZE (HORIZONTAL SIZE)



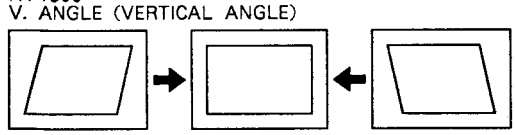
RV1506
V. CENT (VERTICAL CENTER)



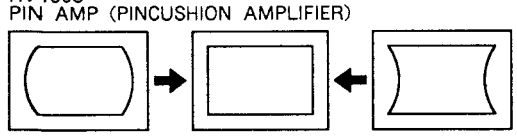
RV1507
V. SIZE (VERTICAL SIZE)



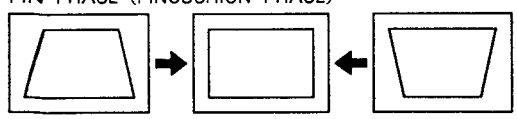
RV1509
V. ANGLE (VERTICAL ANGLE)



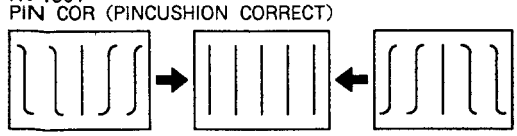
RV1503
PIN AMP (PINCUSHION AMPLIFIER)



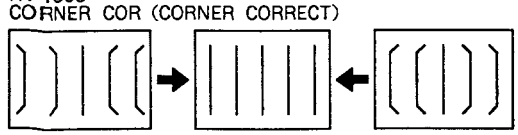
RV1502
PIN PHASE (PINCUSHION PHASE)



RV1501
PIN COR (PINCUSHION CORRECT)



RV1505
CORNER COR (CORNER CORRECT)



## 4-5. V BOARD ADJUSTMENTS

**Clock Adjustment (CT01)**

1. Disconnect the V-1 connector.
2. Set up the TELE TEXT mode.
3. Adjust CT01 to stop pictures from scrolling.

**RGB Level Adjustment (RV01)**

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes 0.75 V.

## 4-6. SUB ADJUSTMENTS

**SUB BRIGHTNESS Adjustment**

1. Receive and display a TEST COLOR BAR pattern.
2. Push →・← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Reduce the ◑CONTRAST to the minimum level.
6. Adjust the ☼BRIGHTNESS control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.
7. Push the AFT button. (SUB mode is cleared)

Where no TEST COLOR BAR pattern is available.

1. Display a COLOR BAR pattern.
2. Push →・← on the remote commander to invoke the normal state.
   Set the ✇COLOR to normal mode.

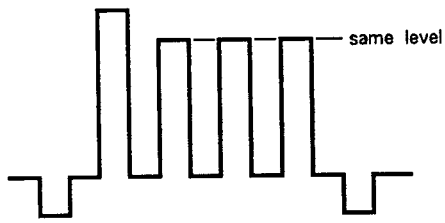
Steps 3 – 5 are the same as above.

6. 20 IRE is close to blue, so adjust the ☼BRIGHTNESS control till blue is faintly luminous.
7. Same as Step 7 above.
8. Push →・← on the remote commander to invoke the normal state.

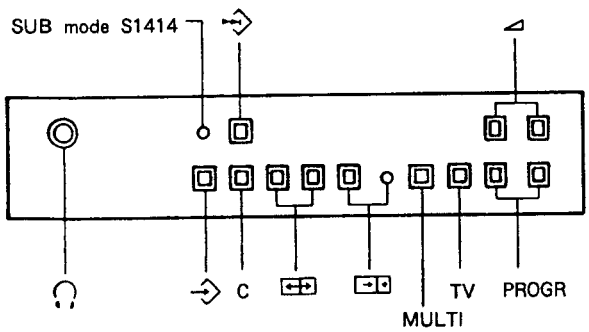
* When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

**SUB COLOR Adjustment**

1. Display a COLOR BAR pattern.
2. Push →• ← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Adjust the COLOR control until the B out (pin ②of CNC72 connector on C board) waveform becomes as shown below.
6. Push the AFT button. (SUB mode is cleared.)

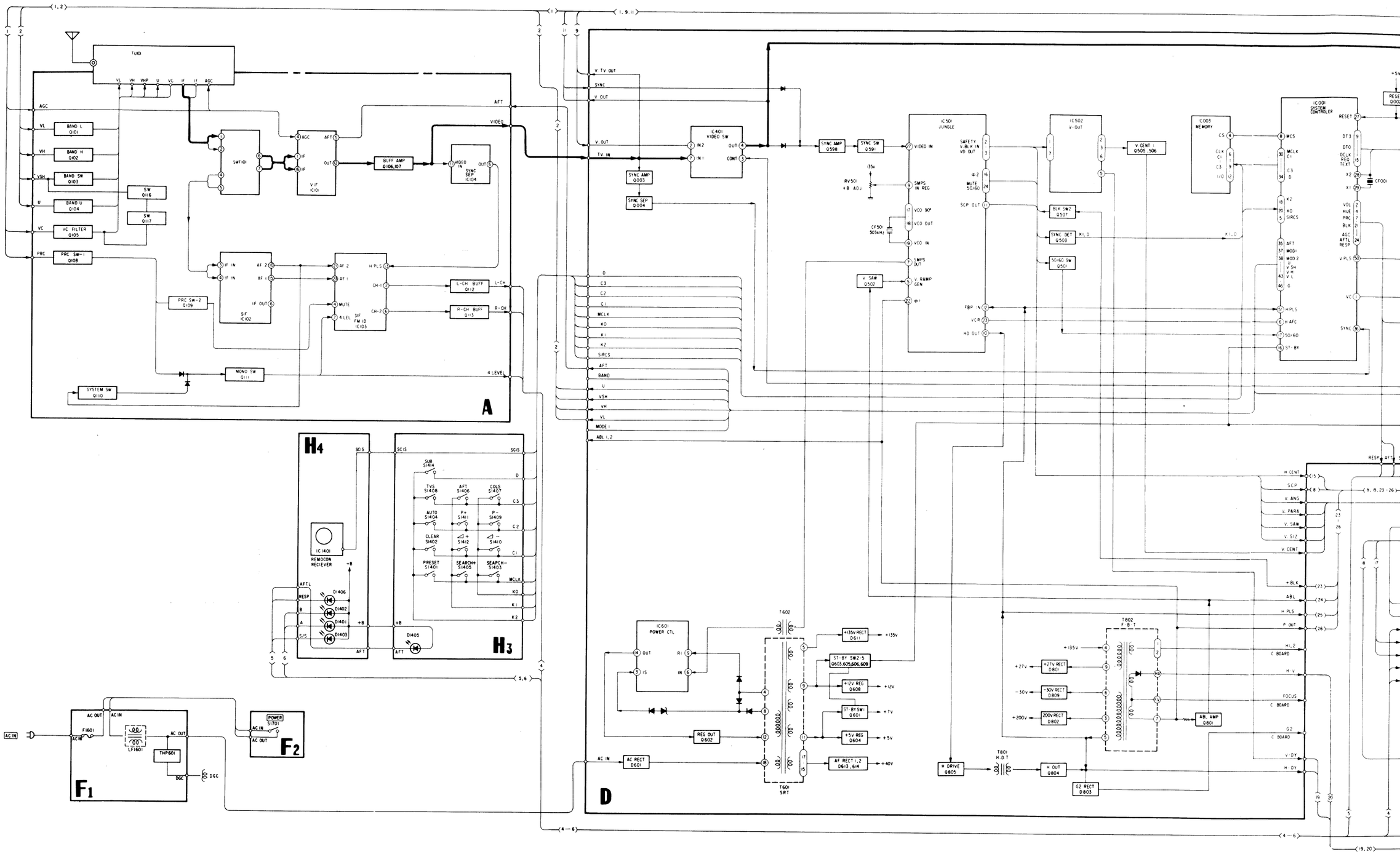


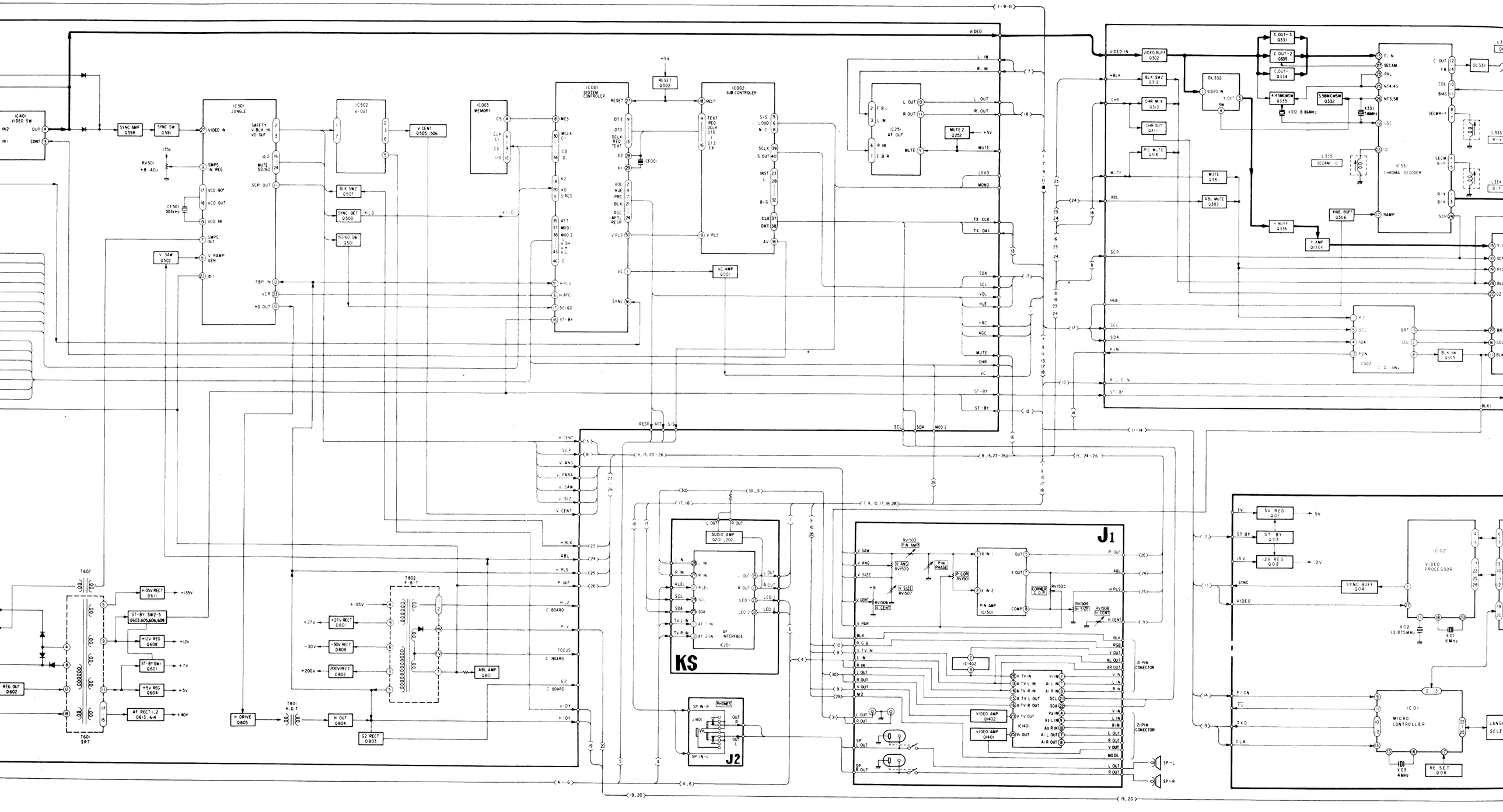

* When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S (SUB mode) is displayed only for 30 seconds, perform the adjustment with 30 seconds, or repeat from Step 4.

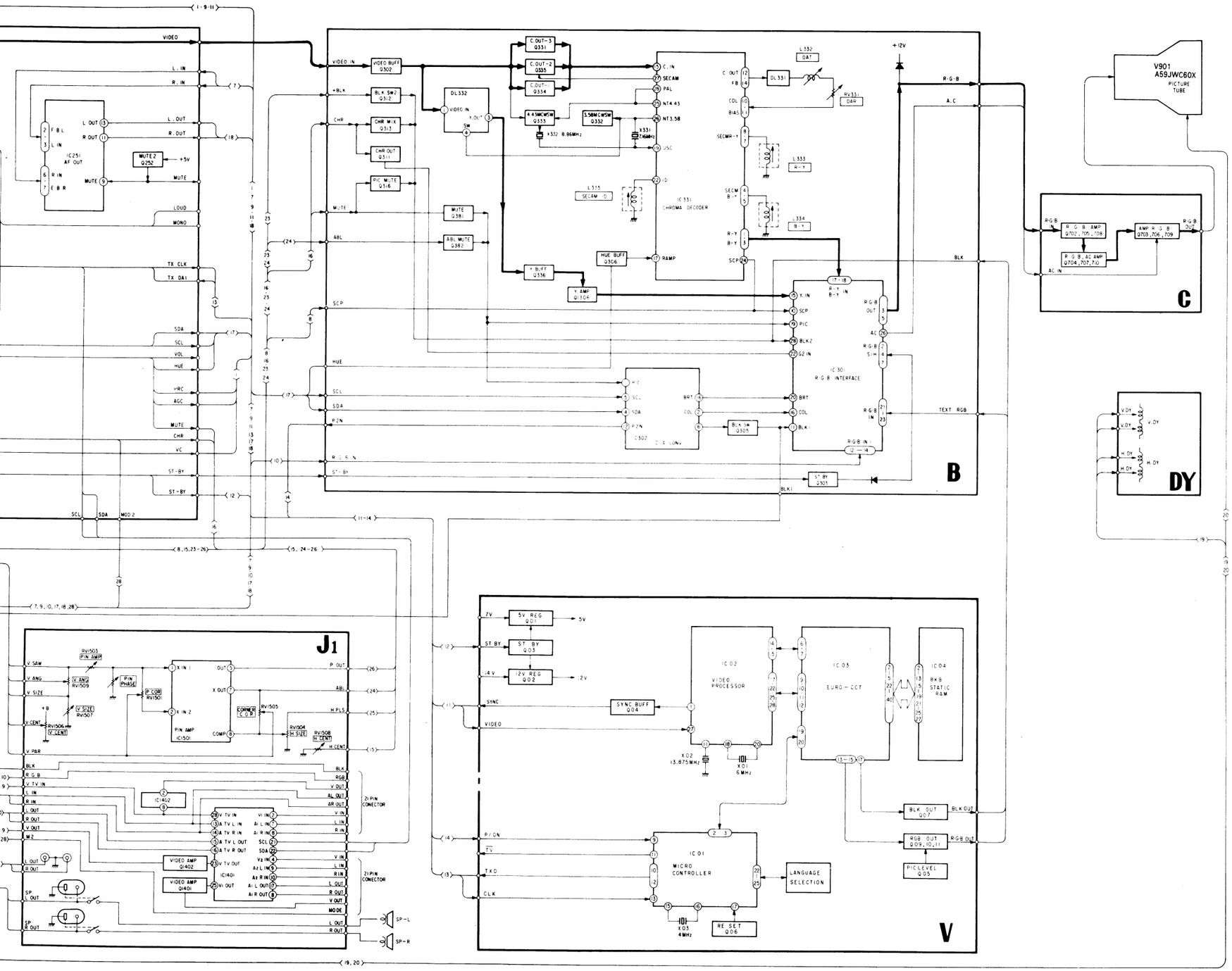


# SECTION 5
# DIAGRAMS

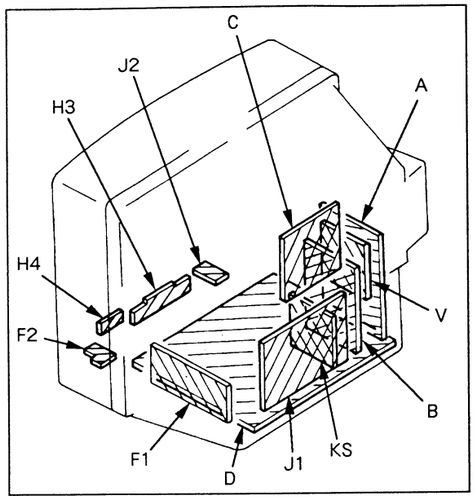
## 5-1. BLOCK DIAGRAM




IC401 VIDEO SW
SYNC AMP Q598
SYNC SW Q591
IC501 JUNGLE
IC502 V-OUT
V. CENT Q505, 506
IC003 MEMORY
IC0001 SYSTEM CONTROLLER
RESET Q002
IC002 SUB CONTROLER
VIDEO
L. IN
R. IN
IC251 AF OUT
MUTE 2 Q252
LOUD
MONO
TX CLK
TX DAT
SDA
SCL
VOL
HUE
HRC
AGC
MUTE
CHR
VC
ST-BY
VIDEO IN
VIDEO BUFF Q302
BLK SW2 Q312
CHR MIX Q313
CHR OUT Q311
PIC MUTE Q316
MUTE Q381
ABL MUTE Q382
DL332
C.OUT-3 Q331
C.OUT-2 Q335
C.OUT-1 Q334
4.43MCWSW Q333
3.58MCWSW Q332
X332 8.86MHz
X331 7.16MHz
L315 SECAM ID
IC331 CHROMA DECODER
HUE BUFF Q306
Y BUFF Q316
Y AMP Q1506
DL331
L331 R-Y
L334 B-Y
SCP
ABL
+BLK
BLK
RGB
V OUT
AL OUT
AR OUT
V IN
L IN
R IN
2I PIN CONECTOR
IC1402
VIDEO AMP Q1402
VIDEO AMP Q1401
IC1401
MODE
L OUT
R OUT
SP-L
SP-R
J1
KS
J2
AUDIO AMP Q201, 202
IC201 AF INTERFACE
PHONES
J1401
SP IN-R
SP IN-L
RV503 PIN AMP
V ANG RV1509
PIN PHASE
P COR RV1501
V SIZE RV1507
RV1506 V CENT
RV1505 CORNER C.R
RV1504 H SIZE
RV1508 H CENT
PIN AMP IC1501
P. OUT
ABL
H.PLS
H.CENT
V PAR
+B
COMP
5V REG Q01
ST BY Q03
12V REG Q02
SYNC BUFF Q04
IC02 VIDEO PROCESSOR
X02 13.875MHz
X01 6MHz
IC01 MICRO CONTROLLER
X03 4MHz
RESET Q06
P/ON
TV
T.X.D
CLK
T602
T601 SRT
+135V RECT D611
ST-BY SW2-5 D603,605,606,609
+12V REG Q608
ST-BY SW Q601
+5V REG Q604
AF RECT 1,2 D613,614
REG OUT Q602
+135V
+12V
+7V
+5V
+40V
V. SAW Q502
RV501 +B ADJ
SMPS IN REG
VCO 90°
VCO OUT
VCO IN
SMPS OUT
V. RAMP GEN
CF501 503kHz
SAFETY V.BLK IN VD OUT
MUTE 50/60
SCP OUT
BLK SW2 Q507
SYNC DET Q503
50/60 SW Q501
FBP IN
VCR
HD OUT
H DRIVE Q805
T801 H.D.T
H OUT Q804
G2 RECT D803
T802 F.B.T
+27V RECT D801
-30V RECT D809
200V RECT D802
ABL AMP Q801
CF001
H CENT
SCP
V. ANG
V. PARA
V. SAW
V. SIZ
V. CENT
+BLK
ABL
H PLS
P OUT
H.2 C BOARD
H.V
FOCUS C BOARD
G2 C BOARD
V-DY
H-DY


VIDEO
L. IN
R. IN
IC251 AF OUT
MUTE2 Q252
+5V
MUTE
LOUD
MONO
TX CLK
TX DAT
SDA
SCL
VOL
HUE
PRC
AGC
MUTE
CHR
VC
ST-BY
SCL
SDA
MOD 2
VIDEO IN
VIDEO BUFF Q302
+BLK
BLK SW2 Q312
CHR
CHR MIX Q313
CHR OUT Q311
PIC MUTE Q316
MUTE
ABL
MUTE Q381
ABL MUTE Q382
DL332
C.OUT-3 Q331
C.OUT-2 Q335
C.OUT-1 Q334
4.43MCWSW Q333
3.58MCWSW Q332
X331 7.16MHz
X332 8.86MHz
L335 SECAM ID
IC331 CHROMA DECODER
C.IN
SECAM
PAL
NT4.43
NT3.58
OSC
ID
RAMP
HUE BUFF Q306
Y BUFF Q336
Y AMP Q1304
L332 DAT
DL331
RV331 DAH
L333 R-Y
L334 B-Y
+12V
R-G-B
A.C
BLK
TEXT RGB
IC301 R-G-B INTERFACE
Y. IN
SCP
PIC
BLK2
G2 IN
BRT
COL
BLK1
BLK SW Q305
R-G-B IN
ST-BY 2303
B
V901 A59JWC60X PICTURE TUBE
R-G-B AMP Q702,705,708
R-G-B AC AMP Q704,707,710
AMP R-G-B Q703,706,709
AC IN
C
V.DY
H.DY
DY
J1
V SAW
V ANG
V SIZE
V CENT
V PAR
RV1503 PIN AMP
RV1509
RV1507
RV1506
P COR RV1501
PIN PHASE
PIN AMP IC1501
CORNER COR
RV1505
RV1504 SH SIZE
RV1508 H CENT
P OUT
ABL
H PLS
H CENT
BLK
R G B
V TV IN
L IN
R IN
L OUT
R OUT
V OUT
M2
IC1402
IC1401
VIDEO AMP Q1402
VIDEO AMP Q1401
21 PIN CONECTOR
MODE
SP L OUT
SP R OUT
SP-L
SP-R
7V
5V REG Q01
5V
ST BY
ST BY Q03
12V REG Q02
12V
4V
SYNC
VIDEO
SYNC BUFF Q04
IC02 VIDEO PROCESSOR
IC03 EURO-CCT
IC04 8KB STATIC RAM
X02 13.875MHz
X01 6MHz
P/ON
TV
TXD
CLK
IC01 MICRO CONTROLLER
LANGUAGE SELECTION
RESET Q06
X03 4MHz
BLK OUT Q07
RGB OUT Q09,10,11
PIC LEVEL Q05
BLK OUT
RGB OUT
V

## 5-2. CIRCUIT BOARDS LOCATION




**Note :**

- All capacitors are in μF unless otherwise noted. pF : μμF 50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

| Pitch : 5 mm |
|---|
| Rating electrical power 1/4W |

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10 MΩ digital multimeter.
- Readings are taken with a PAL color-bar signal input.
- : adjustment for repair.
- Voltage variations may be noted due to normal production tolerance.
- : B+ bus.
- : B− bus.
- : signal path.

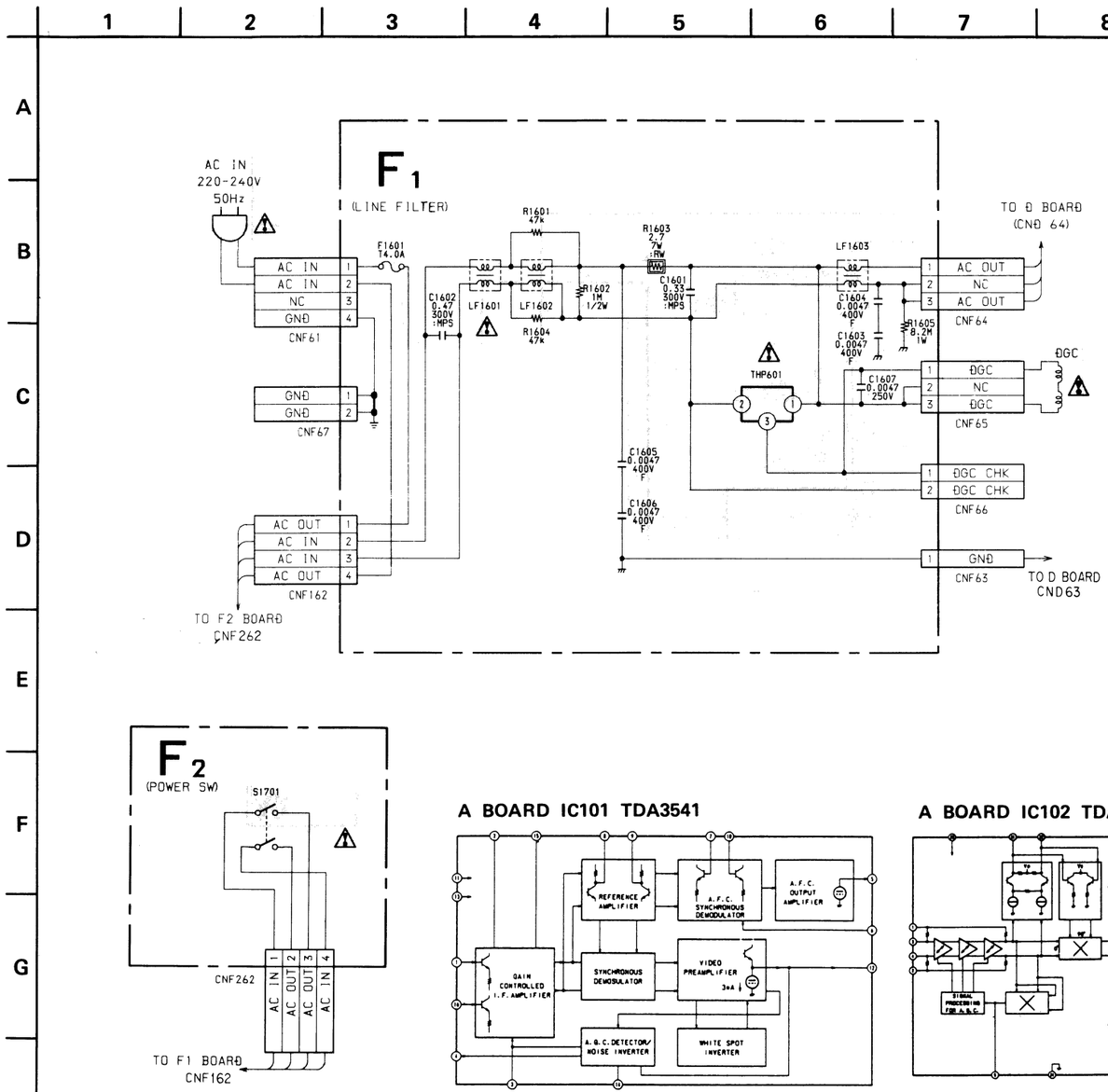
**Reference information**

| | | |
|---|---|---|
| RESISTOR | : RN | METAL FILM |
| | : RC | SOLID |
| | : FPRD | NONFLAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| COIL | : LF-8L | MICRO INDUCTOR |
| CAPACITOR | : TA | TANTALUM |
| | : PS | STYROL |
| | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | : ALB | BIPOLAR |
| | : ALT | HIGH TEMPERATURE |
| | : ALR | HIGH RIPPLE |

**Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.**



## 5-3. SCHEMATIC DIAGRAMS



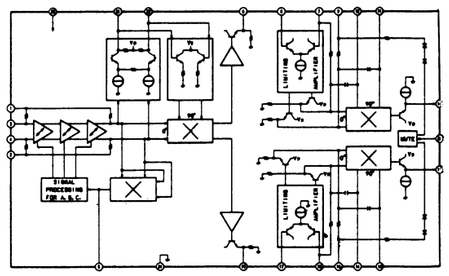




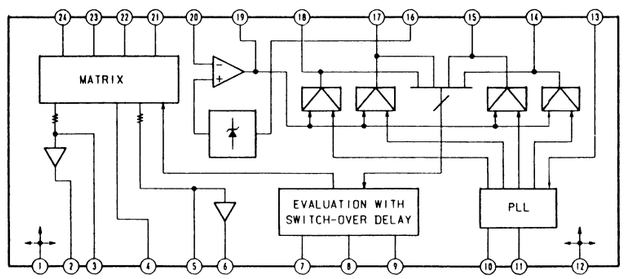
### A BOARD IC101 TDA3541



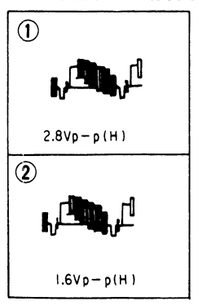

### A BOARD IC102 TDA2556



### A BOARD IC103 TDA6600

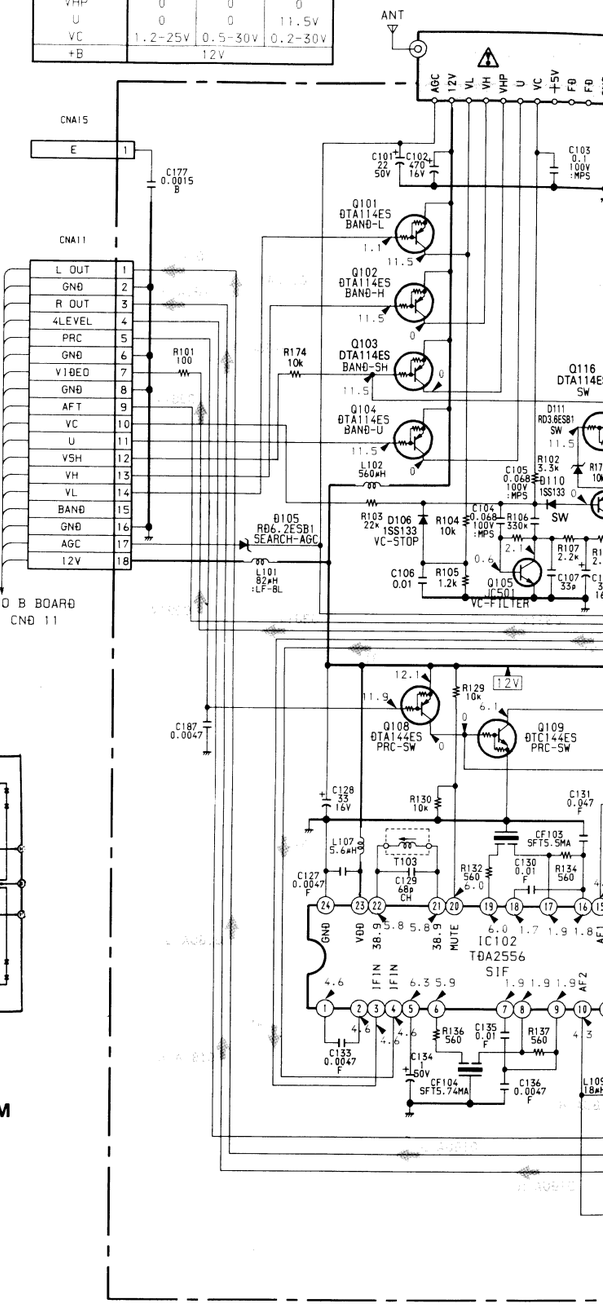



### • A BOARD WAVEFORM






| TUNER / BAND | VHF LOW | VHF HIGH | UHF |
|---|---|---|---|
| AGC | 6.1-9V | | |
| VL | 11.5V | 0 | 0 |
| VH | 0 | 11.5 | 0 |
| VHP | 0 | 0 | 0 |
| U | 0 | 0 | 11.5V |
| VC | 1.2-25V | 0.5-30V | 0.2-30V |
| +B | 12V | | |



| TU101 \ BAND | VHF LOW | VHF HIGH | UHF |
|---|---|---|---|
| AGC | 6.1-9V | | |
| VL | 11.5V | 0 | 0 |
| VH | 0 | 11.5 | 0 |
| VHP | 0 | 0 | 0 |
| U | 0 | 0 | 11.5V |
| VC | 1.2-25V | 0.5-30V | 0.2-30V |
| +B | 12V | | |

TO D BOARD (CND 64)

LF1603
C1604 0.0047 400V F
C1603 0.0047 400V F
R1605 8.2M 1W
C1607 0.0047 250V
THP601
CNF64: 1 AC OUT, 2 NC, 3 AC OUT
CNF65: 1 DGC, 2 NC, 3 DGC
CNF66: 1 DGC CHK, 2 DGC CHK
CNF63: 1 GND
TO D BOARD CND63

TO B BOARD CND 11

CNA15: E 1
CNA11: 1 L OUT, 2 GND, 3 R OUT, 4 4LEVEL, 5 PRC, 6 GND, 7 VIDEO, 8 GND, 9 AFT, 10 VC, 11 U, 12 VSH, 13 VH, 14 VL, 15 BAND, 16 GND, 17 AGC, 18 12V

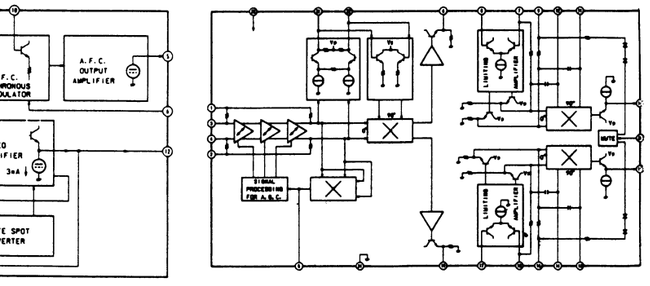
ANT
TU101 UV615
AGC 12V VL VH VHP U VC +5V FB GND IF IF

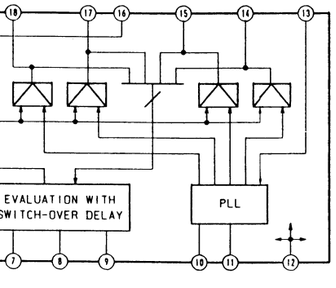
Q101 DTA114ES BAND-L
Q102 DTA114ES BAND-H
Q103 DTA114ES BAND-SH
Q104 DTA114ES BAND-U
Q116 DTA114ES SW
Q117 JA101 SW
Q105 IC501 VC-FILTER
D105 RB6.2ESB1 SEARCH-AGC
D106 1SS133 VC-STOP
D111 RD3.6ESB1 SW
D110 1SS133 SW
L101 82nH :LF-BL
L102 560nH
L103 5.6nH
L104 15nH
L106 33nH
L111 100nH
L113 1.5nH
CF101 TRAP 5.5MHz
SWF101
Q106 JC501 BUFF-AMP
Q107 JA101 BUFF-AMP
IC101 TDA3541 VIF
T101
T102
TV AGC
Q108 DTA144ES PRC-SW
Q109 DTC144ES PRC-SW
T103
CF103 SFT5.5MA
CF104 SFT5.74MA
CB102 5.5MHz
CB103 5.74MHz
IC102 TDA2556 SIF
IC103 TDA6600-2 SIF, FMID
RV102 10k SEPARATION
RV103 47k H FREQ
IC104 TDA2595 SYNC-SEP
Q113 JC501 AF-BUFF-R
Q112 JC501 AF-BUFF-L
D108 MC921 SYSTEM-SW
Q111 DTC144ES MONO-SW
Q110 JA101 SYSTEM-SW
12V

A (SIGNAL. TUNER BAND SW)

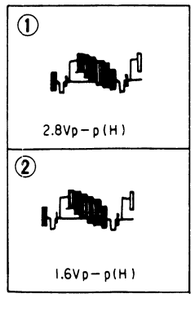
D341 1SS133 FORCE SW
IC331 TDA4555 CHROMA-DECODER
Q306 JC501 HUE BUFF
Q332 DTC124ES 3.58M SW
SECAM
PAL
BAT
B (Y. CHROMA)

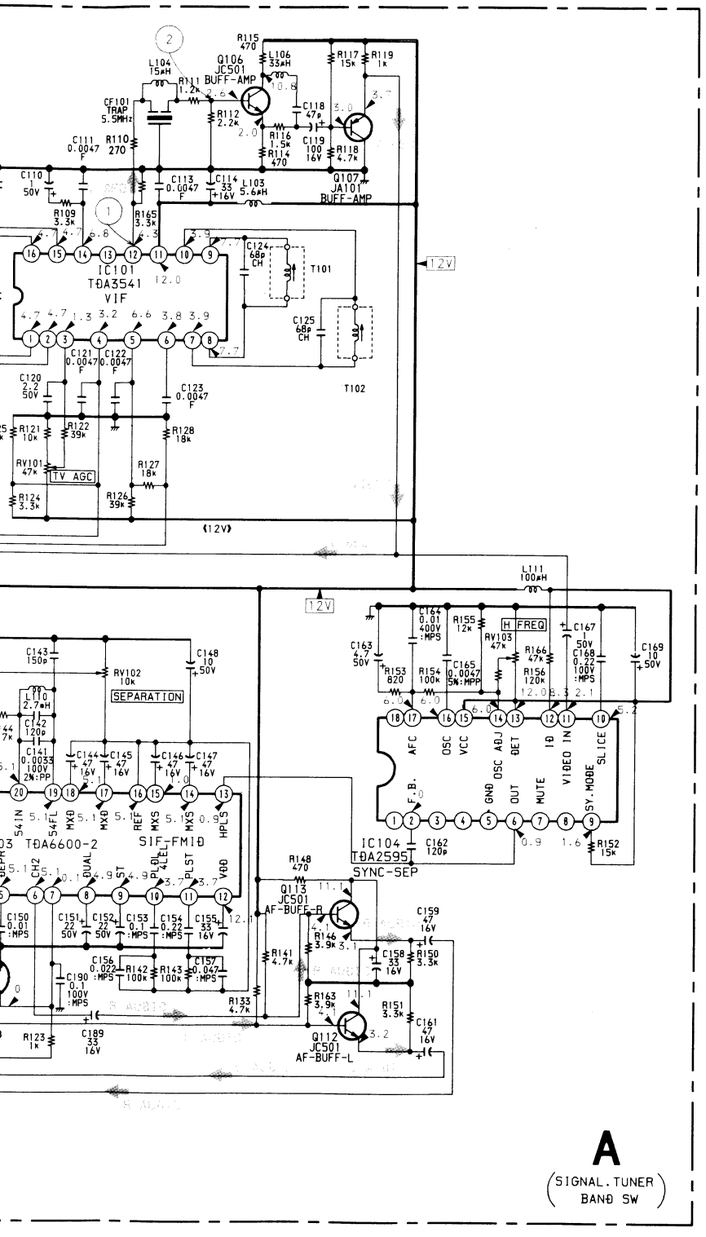
## A BOARD IC102 TDA2556

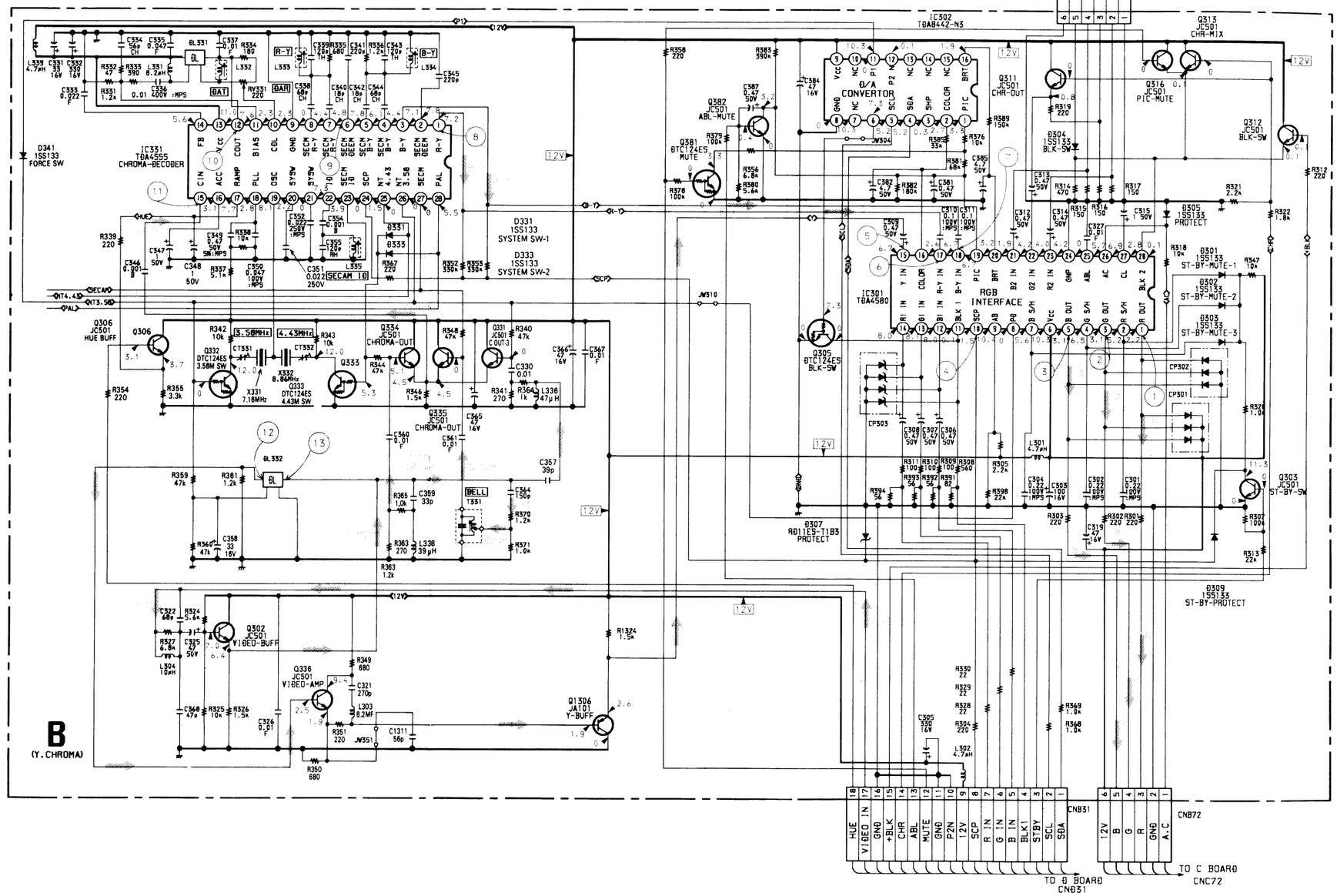


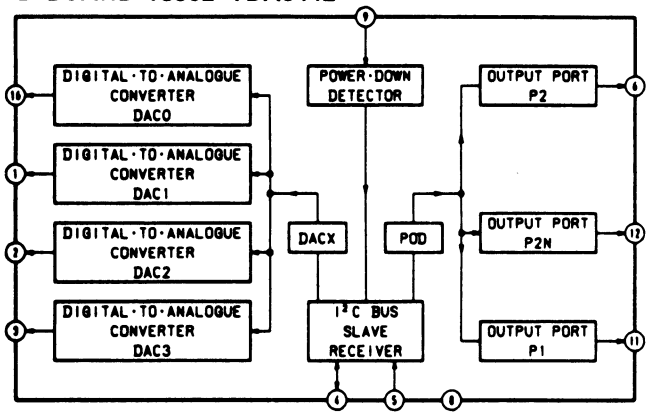

## • A BOARD WAVEFORM



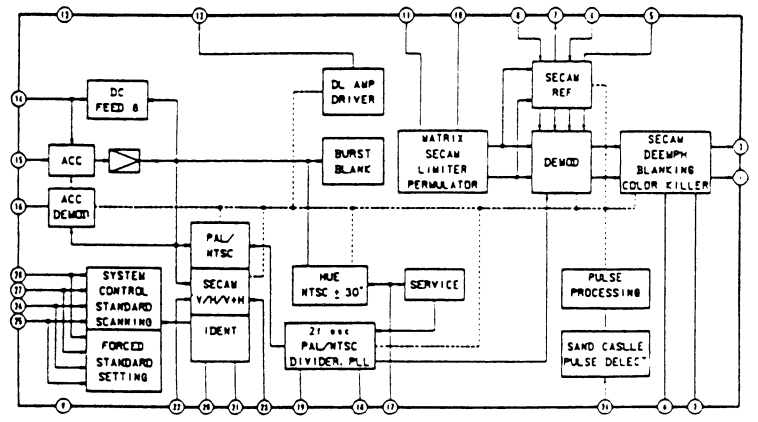

IC101
TDA3541
VIF
Q106
JC501
BUFF-AMP
Q107
JA101
BUFF-AMP
TV AGC
SEPARATION
IC102
TDA6600-2
SIF-FM/AM
IC104
TDA2595
SYNC-SEP
Q113
JC501
AF-BUFF-R
Q112
JC501
AF-BUFF-L
H FREQ
12V
A
(SIGNAL. TUNER
BAND SW)


IC331
TDA4555
CHROMA-DECODER
IC301
TDA4580
RGB
INTERFACE
IC302
TDA8442-N3
D/A
CONVERTOR
TO V BOARD
CNV3
CNB93
Q306
JC501
HUE BUFF
Q332
DTC124ES
3.58M SW
Q333
DTC124ES
4.43M SW
Q334
JC501
CHROMA-OUT
Q335
JC501
CHROMA-OUT
Q331
JC501
C-OUT-3
Q302
JC501
VIDEO-BUFF
Q336
JC501
VIDEO-AMP
Q1306
JA101
Y-BUFF
Q382
JC501
ABL-MUTE
Q581
DTC124ES
MUTE
Q311
JC501
CHR-OUT
Q313
JC501
CHR-MIX
Q316
JC501
PIC-MUTE
Q312
JC501
BLK-SW
Q305
DTC124ES
BLK-SW
Q303
JC501
ST-BY-SW
D341
1SS133
FORCE SW
D331
1SS133
SYSTEM SW-1
D333
1SS133
SYSTEM SW-2
D307
RD11ES-T1B3
PROTECT
D305
1SS133
PROTECT
D309
1SS133
ST-BY-PROTECT
D301
1SS133
ST-BY-MUTE-1
D302
1SS133
ST-BY-MUTE-2
D303
1SS133
ST-BY-MUTE-3
B
(Y. CHROMA)
CNB31
CNB72
TO B BOARD
CNB31
TO C BOARD
CNC72

## B BOARD IC302 TDA8442




## B BOARD IC331 TDA4555

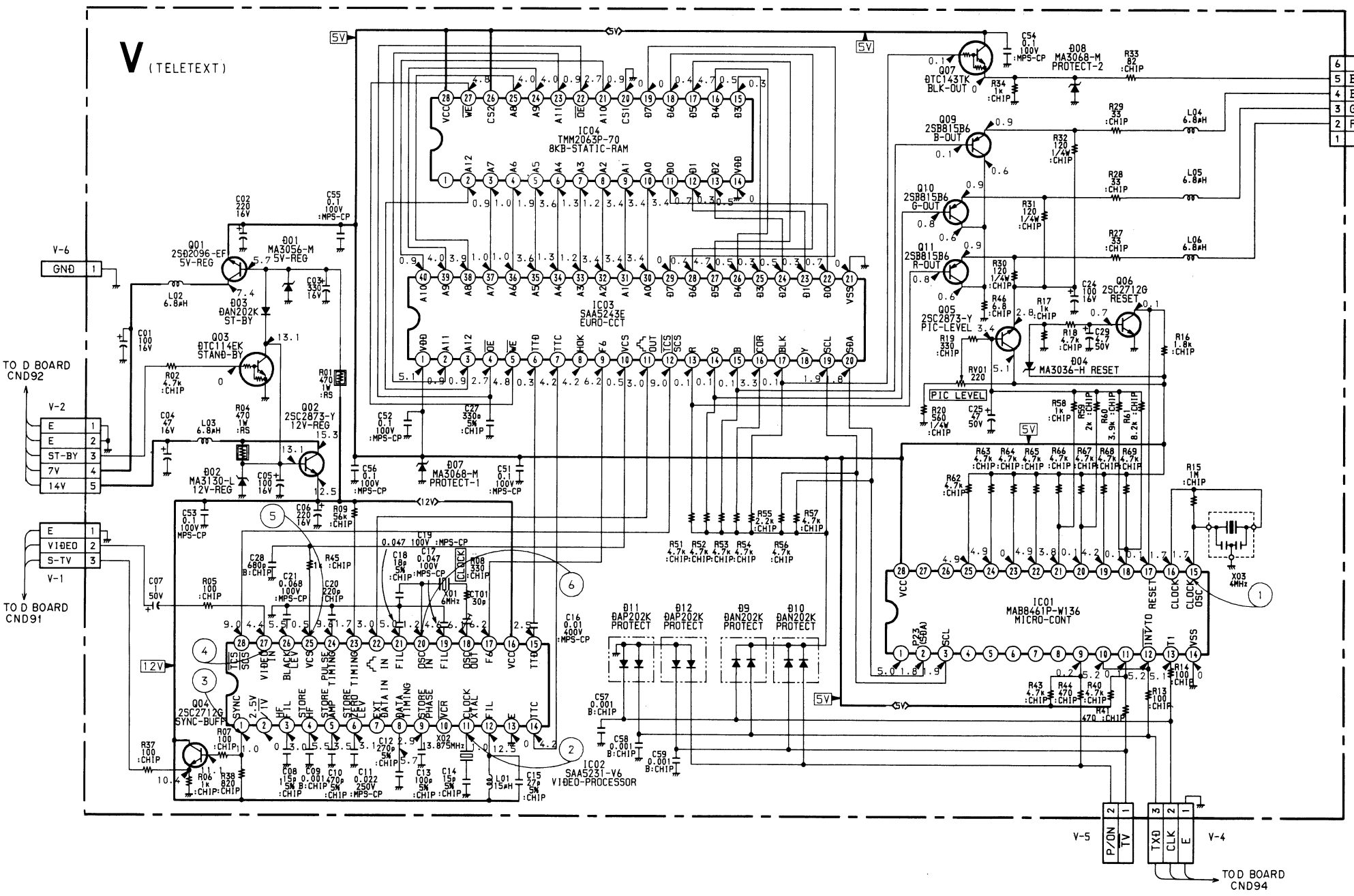



## • B BOARD WAVEFORM

| | | | |
|---|---|---|---|
| ① 6Vp-p(H) | ⑤ 0.4Vp-p(H) | ⑨ 1.2Vp-p(H) | ⑬ 1Vp-p(H) |
| ② 6Vp-p(H) | ⑥ 0.9Vp-p(H) | ⑩ 1.5Vp-p(H) | |
| ③ 6Vp-p(H) | ⑦ 1.5Vp-p(H) | ⑪ 0.16Vp-p(H) | |
| ④ 10.5Vp-p(H) | ⑧ 0.9Vp-p(H) | ⑫ 0.4Vp-p(H) | |

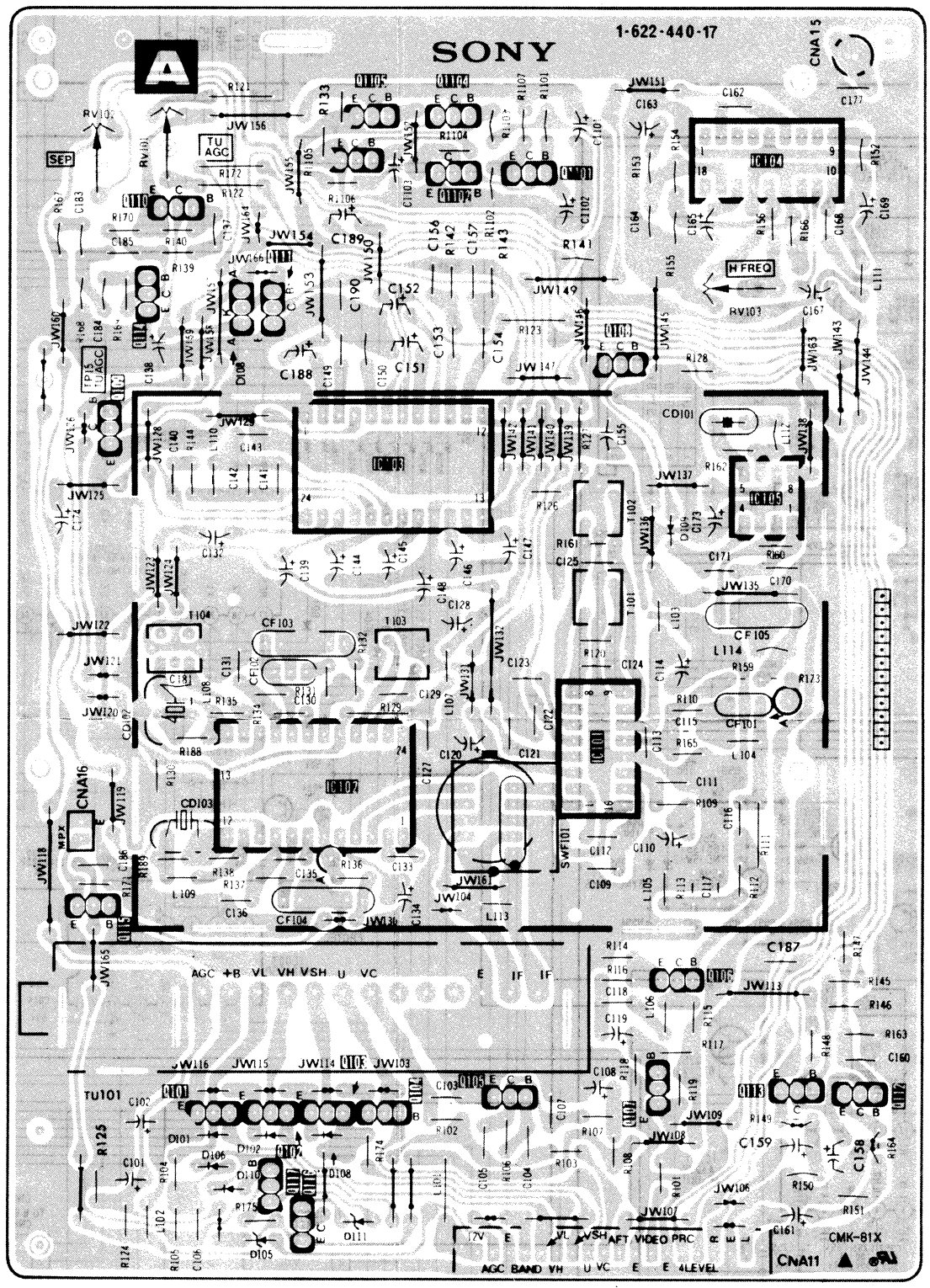
## • V BOARD WAVEFORM

| | |
|---|---|
| ① 3.5Vp-p(4MHz) | ④ 1Vp-p(H) |
| ② 0.56Vp-p(8.75MHz) | ⑤ 2.9Vp-p(H) |
| ③ 1Vp-p(H) | ⑥ 0.4Vp-p(6MHz) |

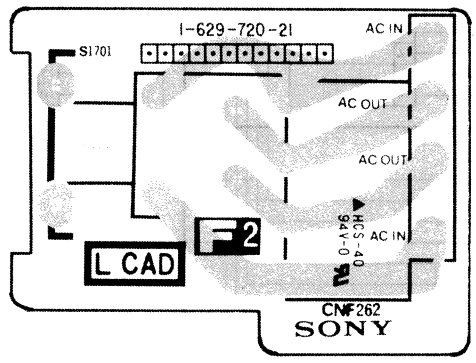


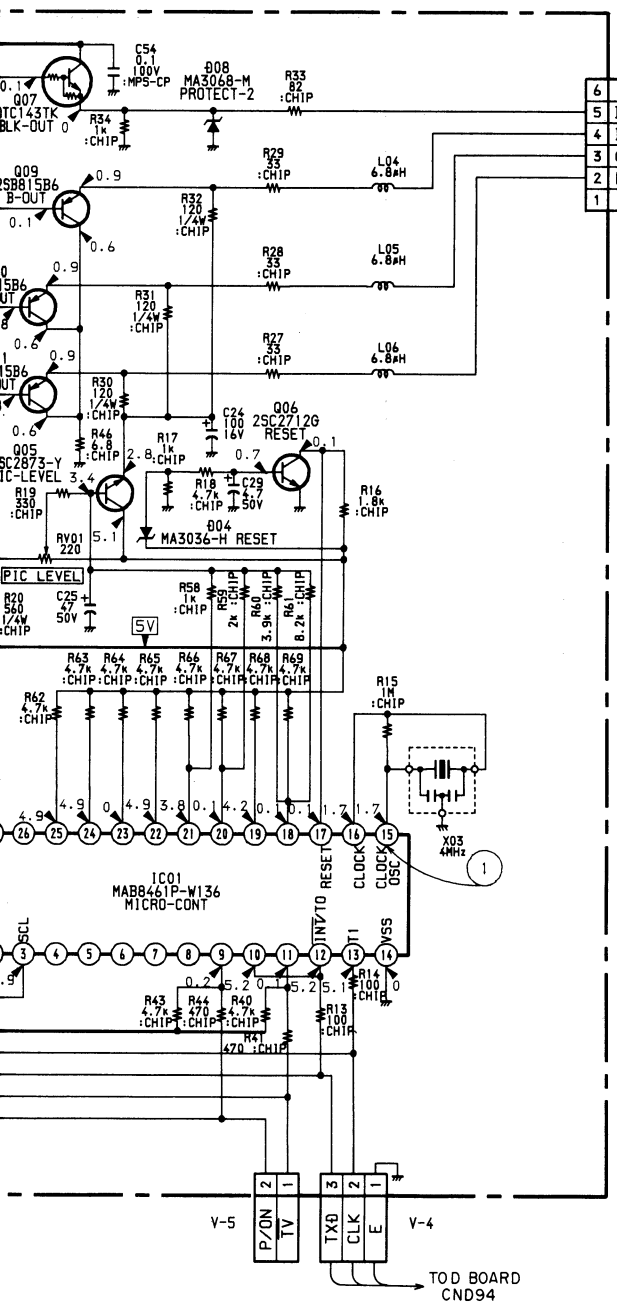
| | |
|---|---|
| 1.2Vp-p(H) | (13) 1Vp-p(H) |
| 1.5Vp-p(H) | |
| 0.16Vp-p(H) | |
| 0.4Vp-p(H) | |

— A Board —

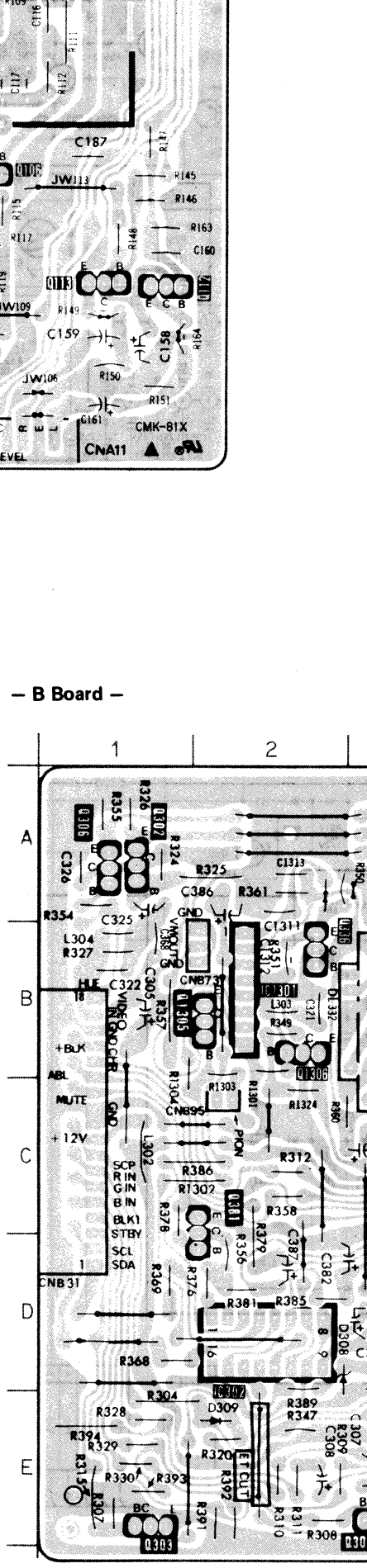



— F2 Board —




— B Board —



NAL TUNER,
ND SW, VIF, SIF]

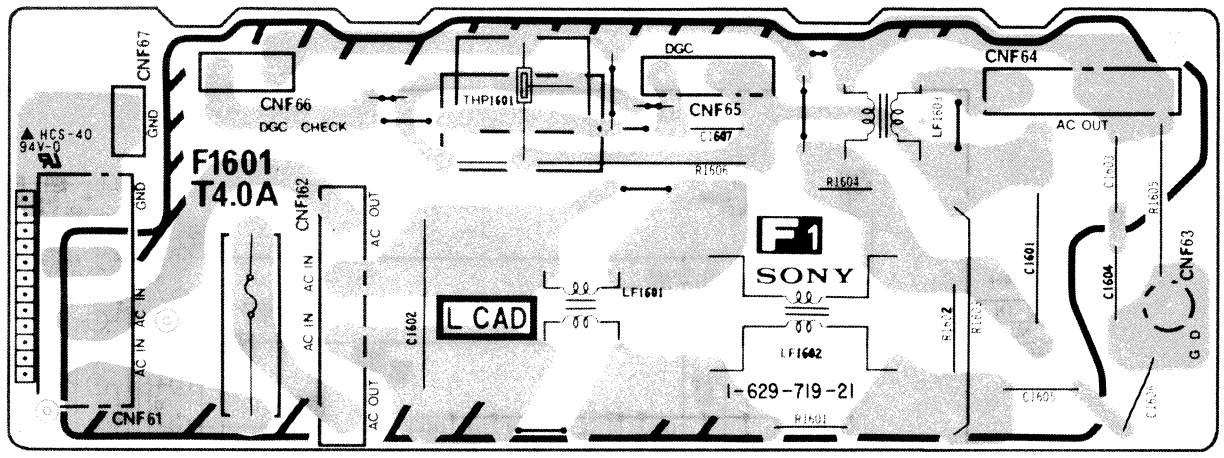
**B** [R·G·B INTERFACE, D/A CONVERTER, CHROMA DECODER]

**F1** [LINE FILTER]

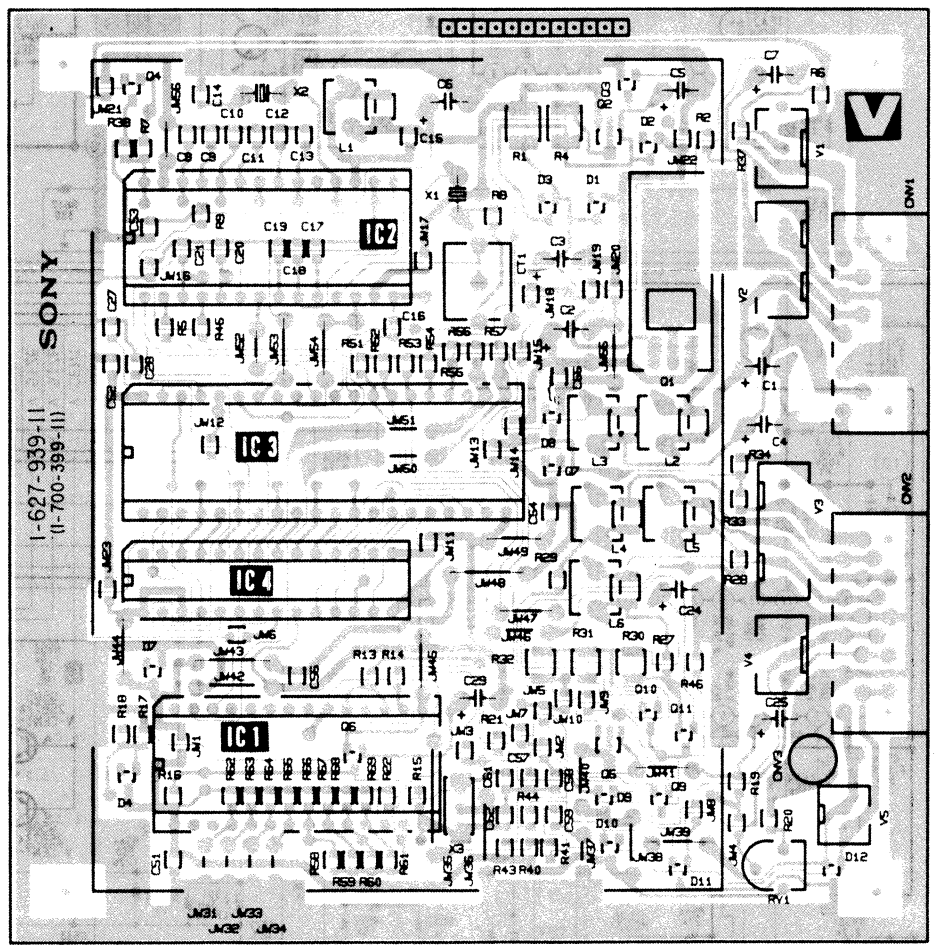
**F2**

**V** [TELETEXT]

**– F1 Board –**



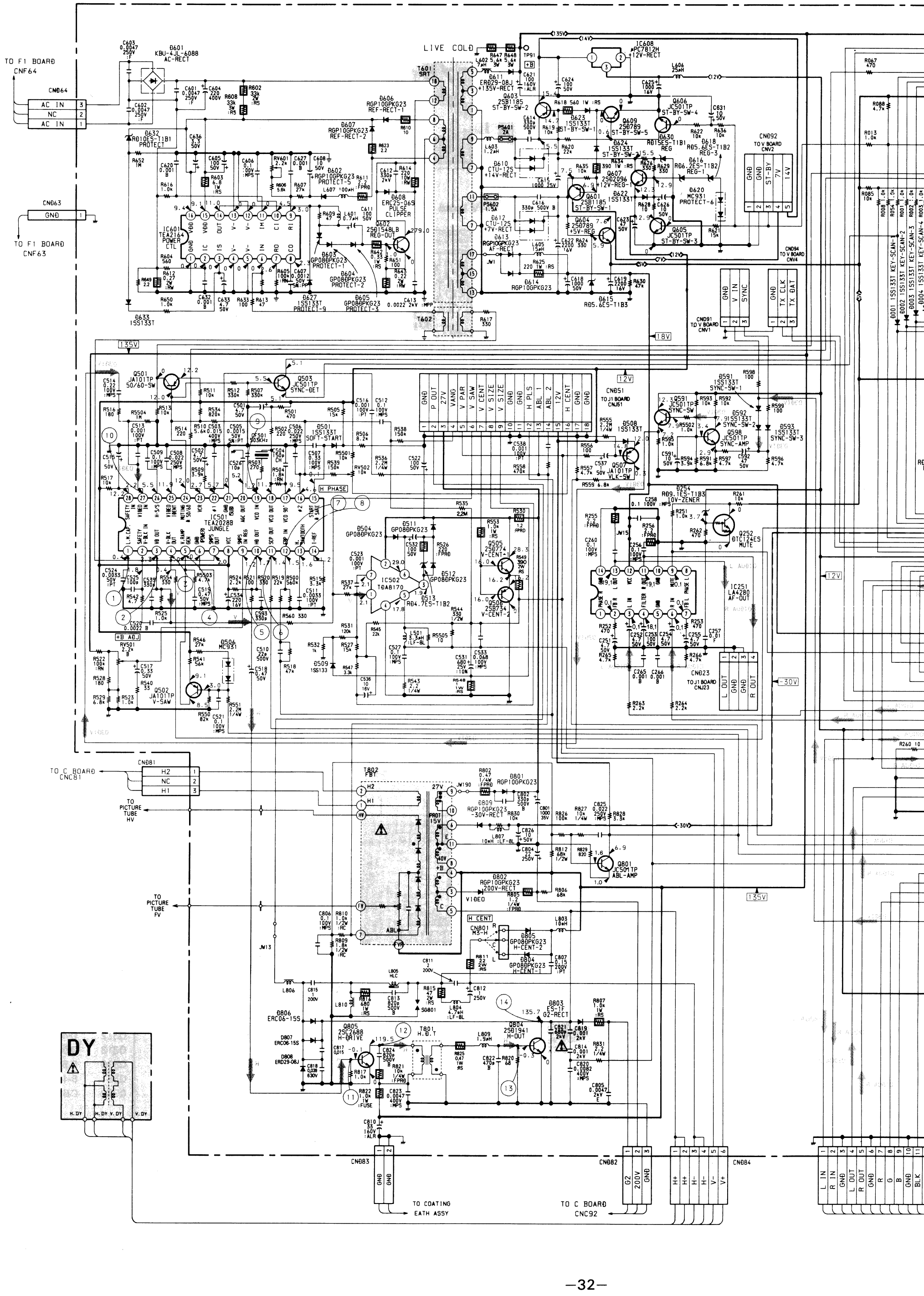

**– V Board –**

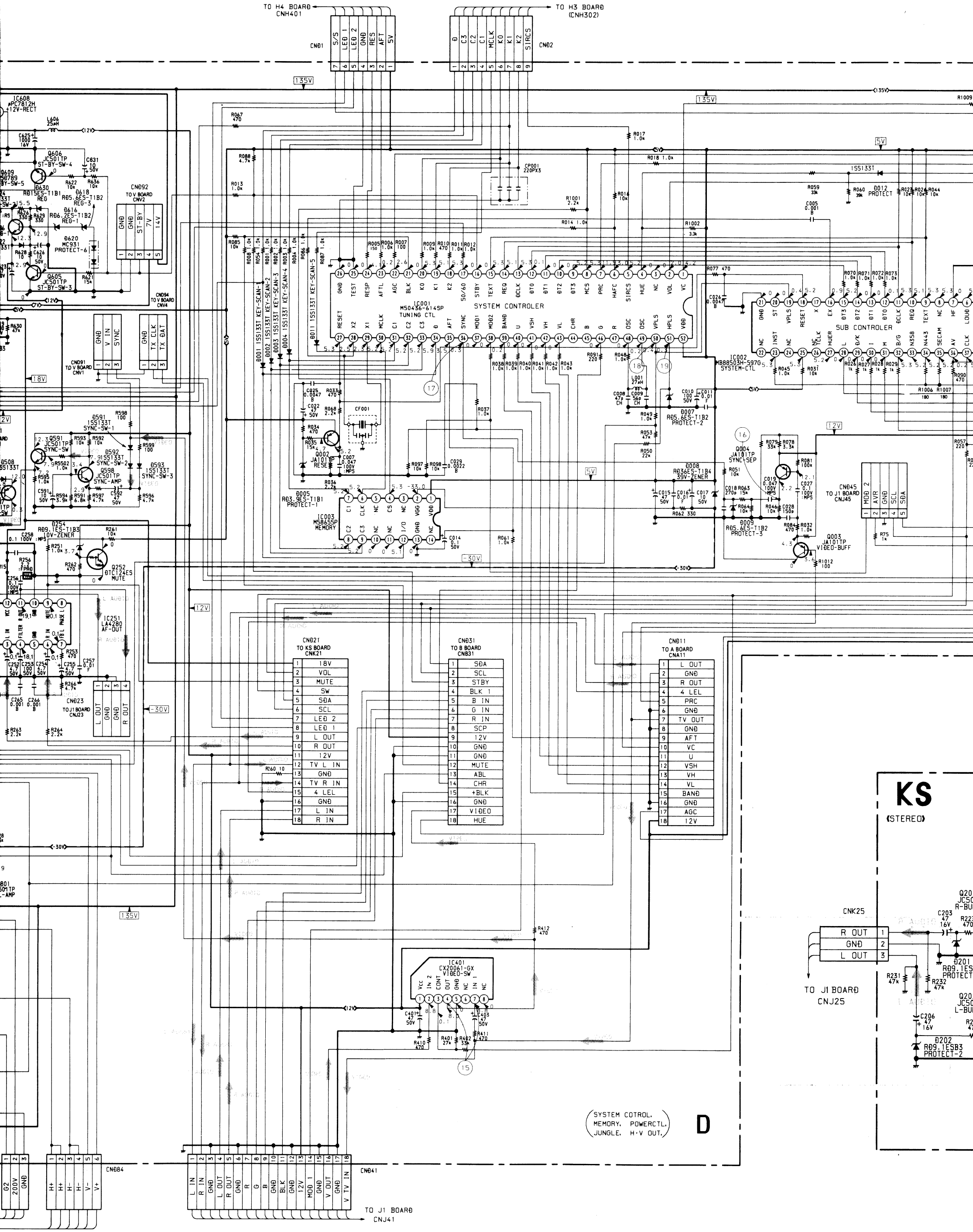



**– B Board –**

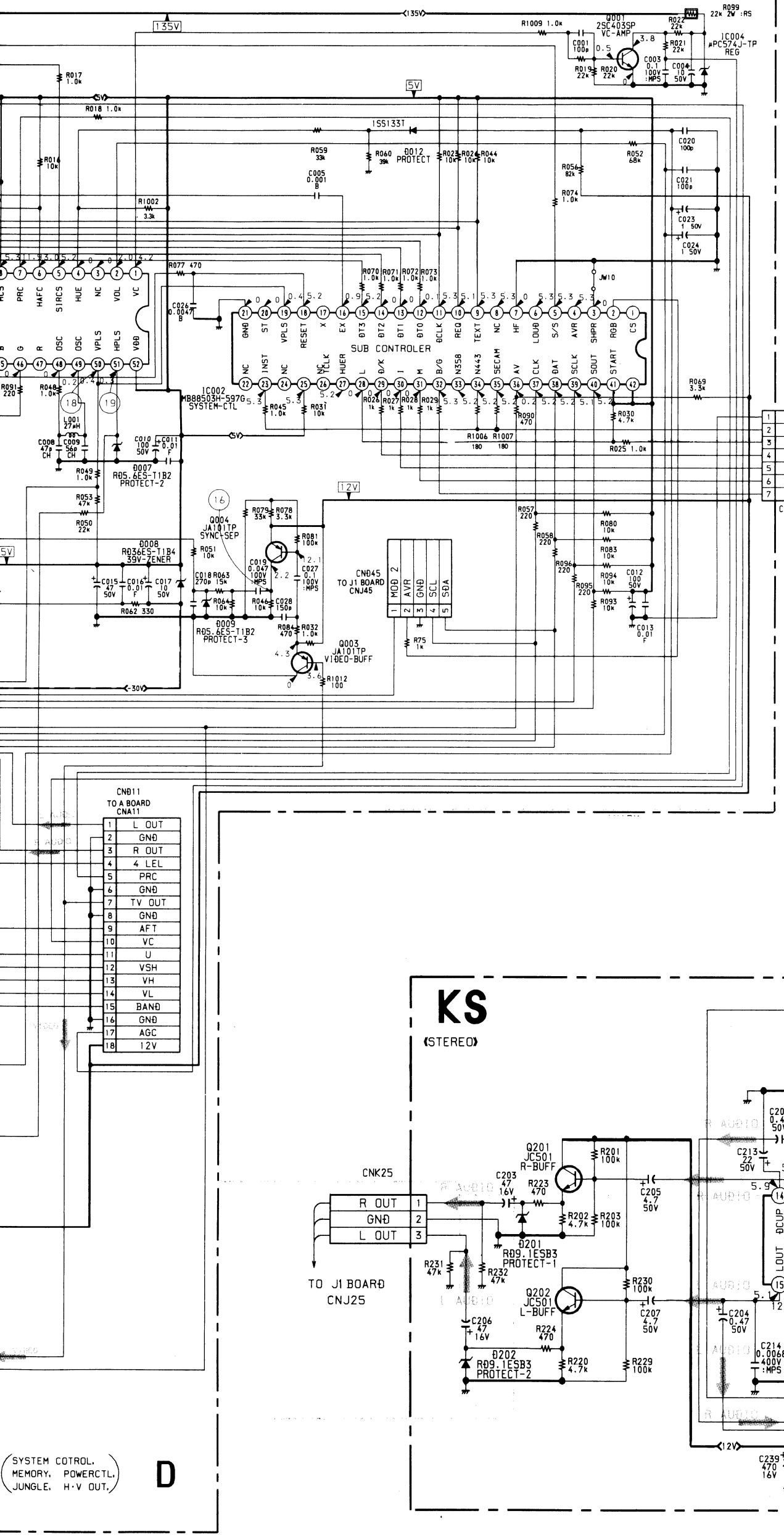



| IC | | DIODE | |
|---|---|---|---|
| IC301 | E-4 | D301 | E-6 |
| IC302 | D-2 | D302 | E-5 |
| IC331 | B-5 | D303 | E-5 |
| | | D304 | E-6 |
| TRANSISTOR | | D305 | E-6 |
| Q302 | A-1 | D307 | E-3 |
| Q303 | E-1 | D309 | E-2 |
| Q305 | E-3 | D331 | C-4 |
| Q306 | A-1 | D333 | C-5 |
| Q311 | D-5 | D341 | C-5 |
| Q312 | D-4 | VARIABLE RESISTOR | |
| Q313 | D-5 | RV331 | A-6 |
| Q316 | D-5 | | |
| Q331 | B-4 | CT331 | C-6 |
| Q332 | C-6 | CT332 | D-6 |
| Q333 | D-6 | | |
| Q334 | B-3 | | |
| Q335 | B-4 | | |
| Q336 | B-2 | | |
| Q381 | C-2 | | |
| Q382 | C-3 | | |
| Q1316 | B-2 | | |


LIVE COLD
TO F1 BOARD CNF64
CN064
AC IN
NC
AC IN
CN063
GND
TO F1 BOARD CNF63
D601 KBU-4JL-6088 AC-RECT
D632 RD10ES-T1B1 PROTECT
D633 1SS133T
IC601 TEA2164 POWER CTL
D602 RGP10GPKG23 PROTECT-5
D603 GP08DPKG23 PROTECT-1
D604 GP08DPKG23 PROTECT-2
D605 GP08DPKG23 PROTECT-3
D606 RGP10GPKG23 REF-RECT-1
D607 RGP10GPKG23 REF-RECT-2
D608 ERC25-06S PULSE CLIPPER
D627 1SS133T PROTECT-9
Q602 2SD1548LB REG-OUT
T601 SRT
T602
D611 ER029-08J +135V-RECT
IC608 μPC7812H +12V-RECT
Q603 2SB1185 ST-BY-SW-2
Q609 2SD789 ST-BY-SW-5
Q606 JC501TP ST-BY-SW-4
D623 1SS133T ST-BY-SW-1
D624 1SS133T ST-BY-SW-2
D630 RD15ES-T1B1 REG
D610 CTU-12S +14V-RECT
Q607 2SD2096 +12V-REG-1
Q601 2SB1185 ST-BY-SW-1
D622 1SS133T
D618 RD5.6ES-T1B2 REG-3
D616 RD6.2ES-T1B2 REG-1
D620 MC931 PROTECT-6
Q605 JC501TP ST-BY-SW-3
D612 CTU-12S +7V-RECT
Q604 2SD789 +5V-REG
D613 RGP10GPKG23 AF-RECT
D614 RGP10GPKG23
D615 RD5.6ES-T1B3
CN092 TO V BOARD CNV2
GND GND ST-BY 7V 14V
CN094 TO V BOARD CNV4
CN091 TO V BOARD CNV1
GND V IN SYNC
GND TX CLK TX DAT
TO H4 CNH
135V
14V
12V
7V
5V
18V
-30V
Q501 JA101TP 50/60-SW
Q503 JC501TP SYNC-DET
Q502 JA101TP V-SAW
D501 1SS133T SOFT-START
D506 MC931
IC501 TEA2028B JUNGLE
H PHASE
D504 GP08DPKG23
D505 2SD774 V-CENT-1
D509 1SS133
D511 GP08DPKG23
D512 GP08DPKG23
D513 RD4.7ES-T1B2
IC502 TDA8170
Q506 2SB734 V-CENT-2
L501 3.3μH :LF-8L
CN051 TO J1 BOARD CNJ51
GND P OUT 27V VANG V PAR V SAW V CENT V SIZE V SIZE GND GND H PLS ABL 1 ABL 2 12V H CENT GND GND
D591 1SS133T SYNC-SW-1
D592 1SS133T SYNC-SW-2
D593 1SS133T SYNC-SW-3
Q591 JC501TP SYNC-SW
Q598 JC501TP SYNC-AMP
D508 1SS133T
Q507 JA101TP VLK-SW
D254 RD9.1ES-T1B3 10V-ZENER
Q252 DTC124ES MUTE
IC251 LA4280 AF-OUT
CN023 TO J1 BOARD CNJ23
L OUT GND GND R OUT
D001 1SS133T KEY-SCAN-1
D002 1SS133T KEY-SCAN-2
D003 1SS133T KEY-SCAN-3
D004 1SS133T KEY-SCAN-4
CN081
H2
NC
H1
TO C BOARD CNC81
TO PICTURE TUBE HV
TO PICTURE TUBE FV
T802 FBT
D801 RGP10GPKG23
D809 RGP10GPKG23 -30V-RECT
D802 RGP10GPKG23 200V-RECT
Q801 JC501TP ABL-AMP
D805 GP08DPKG23 H-CENT-2
D804 GP08DPKG23 H-CENT-1
CN801 M3-H
D806 ERC06-15S
D807 ERC06-15S
D808 ERD29-08J
Q805 2SC2688 H-DRIVE
T801 H.D.T
Q804 2SD1941 H-OUT
D803 ES-1F G2-RECT
DY
H.DY V.DY V.DY
CN083
GND GND
TO COATING EATH ASSY
CN082
G2 200V GND
TO C BOARD CNC92
CN084
H+ H+ H- H- V- V+
L IN R IN GND L OUT R OUT GND R G B GND BLK


TO H4 BOARD
CNH401
CN01
S/S
LED 1
LED 2
GND
RES
AFT
5V
TO H3 BOARD
(CNH302)
CN02
Ø
C3
C2
C1
MCLK
K0
K1
K2
SIRCS
135V
12V
5V
18V
-30V
IC608
μPC7812H
+12V-RECT
L606
25μH
C625
1000
16V
Q606
JC501TP
ST-BY-SW-4
C631
10
50V
R622
10k
R636
10k
ØD30
RØ15ES-T1B1
REG
ØD18
RØ5.6ES-T1B2
REG-3
ØD16
RØ6.2ES-T1B2
REG-1
ØD20
MC931
PROTECT-6
R624
330
R629
330
C626
10
50V
R628
10
R621
15k
Q605
JC501TP
ST-BY-SW-3
CN092
TO V BOARD
CNV2
GNØ
GNØ
ST-BY
7V
14V
CN094
TO V BOARD
CNV4
CN091
TO V BOARD
CNV1
GNØ
V IN
SYNC
GNØ
TX CLK
TX ØAT
R630
47k
C625
0.0047
B
C022
47
50V
R033
470
R068
2.2k
CF001
R034
470
R035
15k
Q002
JA101TP
RESET
C007
0.047
100V
MPS
R037
1.0k
R097
10k
R098
10k
C029
0.0022
B
ØD05
RØ3.9ES-T1B1
PROTECT-1
IC003
M58655P
MEMORY
C014
0.1
50V
R061
1.0k
R067
470
R088
4.7k
R013
1.0k
R085
10k
R008
1.0k
R054
1.0k
R001
1.0k
R002
1.0k
R003
1.0k
R004
1.0k
R086
1.0k
R087
1.0k
ØD01 1SS133T KEY-SCAN-1
ØD02 1SS133T KEY-SCAN-2
ØD03 1SS133T KEY-SCAN-3
ØD04 1SS133T KEY-SCAN-4
ØD11 1SS133T KEY-SCAN-5
R005
150
R006
1.0k
R007
100
R009
1.0k
R010
470
R011
1.0k
R012
1.0k
IC001
M50436-614SP
TUNING CTL
SYSTEM CONTROLER
RESET
X2
X1
MCLK
C1
C2
C3
Ø
AFT
SYNC
MOD1
MOD2
BANØ
U
VSH
VH
VL
CHR
B
G
R
OSC
OSC
VPLS
HPLS
VDØ
GNØ
TEST
RESP
AFTL
AGC
BLK
K0
K1
K2
50/60
STBY
TEXT
REQ
ØCLK
ØT0
ØT1
ØT2
ØT3
MCS
PRC
HAFC
SIRCS
HUE
NC
VOL
VC
R038
1.0k
R039
1.0k
R040
1.0k
R041
1.0k
R042
1.0k
R043
1.0k
R091
220
R048
1.0k
L001
27μH
C008
47p
CH
C009
56p
CH
R049
1.0k
R053
47k
R050
22k
C010
100
50V
C011
0.01
F
ØD07
RØ5.6ES-T1B2
PROTECT-2
R017
1.0k
R018
1.0k
CP001
220PX3
R014
1.0k
R016
10k
R1001
2.2k
R1002
3.3k
C005
0.001
B
1SS133T
R059
33k
R060
39k
ØD12
PROTECT
R023
10k
R024
10k
R044
10k
R077
470
C026
0.0047
B
R070
1.0k
R071
1.0k
R072
1.0k
R073
1.0k
SUB CONTROLER
IC002
MB88503H-597G
SYSTEM-CTL
NC
INST
NC
NC
HUER
L
Ø/K
I
M
B/G
N358
N443
SECAM
AV
CLK
R045
1.0k
R031
10k
R028
1k
R027
1k
R028
1k
R029
1k
R1006
180
R1007
180
R090
470
ØD08
RØ36ES-T1B4
39V-ZENER
C015
47
50V
C016
0.01
F
C017
10
50V
R051
10k
Q004
JA101TP
SYNC-SEP
R079
33k
R078
3.3k
R081
100k
C019
0.047
100V
MPS
C027
0.1
100V
MPS
C018
270p
R063
15k
R064
10k
R046
10k
C028
150p
R062
330
ØD09
RØ5.6ES-T1B2
PROTECT-3
R084
470
R032
1.0k
Q003
JA101TP
VIDEO-BUFF
R1012
100
CN045
TO J1 BOARD
CNJ45
MODØ 2
AVR
GNØ
SCL
SDA
R75
1k
R057
220
ØD91
1SS133T
SYNC-SW-1
ØD92
1SS133T
SYNC-SW-2
ØD93
1SS133T
SYNC-SW-3
Q591
JC501TP
SYNC-SW
Q598
JC501TP
SYNC-AMP
R593
10k
R592
10k
R599
100
R5502
1.0k
R595
1.0k
C591
10
50V
R594
3.9k
R591
6.8k
R597
4.7k
C592
47
50V
R596
4.7k
R598
100
ØD08
1SS133T
ØD54
RØ9.1ES-T1B3
10V-ZENER
C258
0.1
100V
MPS
R261
10k
R251
1.0k
R262
470
Q252
ØTC124ES
MUTE
R256
2.2
FPRØ
C256
0.1
100V
MPS
IC251
LA4280
AF-OUT
L AUDIO
R AUDIO
VIDEO
C257
0.01
F
R253
470
C252
4.7
50V
C253
100
50V
C254
4.7
50V
C255
4.7
50V
R266
4.7k
C265
0.001
B
C266
0.001
B
CNØ23
TO J1 BOARD
CNJ23
L OUT
GNØ
GNØ
R OUT
R263
2.2k
R264
2.2k
R260
10
CNØ21
TO KS BOARD
CNK21
1 18V
2 VOL
3 MUTE
4 SW
5 SDA
6 SCL
7 LED 2
8 LED 1
9 L OUT
10 R OUT
11 12V
12 TV L IN
13 GNØ
14 TV R IN
15 4 LEL
16 GNØ
17 L IN
18 R IN
CNØ31
TO B BOARD
CNB31
1 SDA
2 SCL
3 STBY
4 BLK 1
5 B IN
6 G IN
7 R IN
8 SCP
9 12V
10 GNØ
11 GNØ
12 MUTE
13 ABL
14 CHR
15 +BLK
16 GNØ
17 VIDEO
18 HUE
CNØ11
TO A BOARD
CNA11
1 L OUT
2 GNØ
3 R OUT
4 4 LEL
5 PRC
6 GNØ
7 TV OUT
8 GNØ
9 AFT
10 VC
11 U
12 VSH
13 VH
14 VL
15 BANØ
16 GNØ
17 AGC
18 12V
IC401
CX20061-GX
VIDEO-SW
Vcc
IN 2
CONT
OUT
GNØ
NC
IN 1
NC
C401
47
50V
C403
47
50V
R410
470
R401
27k
R402
33k
R411
470
R412
470
CNK25
R OUT 1
GNØ 2
L OUT 3
TO J1 BOARD
CNJ25
R231
47k
R232
47k
C203
47
16V
C206
47
16V
ØD201
RØ9.1ES
PROTECT
ØD202
RØ9.1ESB3
PROTECT-2
KS
(STEREO)
(SYSTEM COTROL,
MEMORY, POWERCTL,
JUNGLE, H·V OUT,)
D
CNØ84
G2
200V
GNØ
H+
H+
H-
H-
V-
V+
CNØ41
L IN
R IN
GNØ
L OUT
R OUT
GNØ
R
G
B
GNØ
BLK
GNØ
12V
MODE 1
GNØ
V OUT
GNØ
V TV IN
TO J1 BOARD
CNJ41

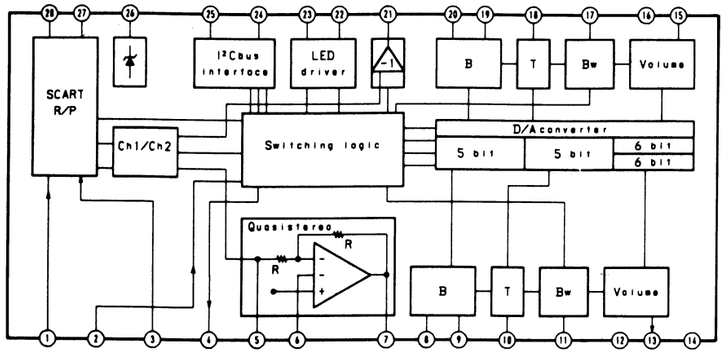
OARD
302)


135V
5V
12V
-30V
R017 1.0k
R018 1.0k
R014 10k
R1002 3.3k
R077 470
C026 0.0047 B
C005 0.001 B
R059 33k
R060 39k
Ð012 PROTECT
R023 10k
R024 10k
R044 10k
1SS133T
R056 82k
R052 68k
R074 1.0k
C020 100p
C021 100p
C023 1 50V
C024 1 50V
JW10
R1009 1.0k
Q001 2SC4035P VC-AMP
C001 100p
R019 22k
R020 22k
C003 0.1 100V :MPS
R022 22k
R021 22k
C004 10 50V
R099 22k 2W :RS
IC004 μPC574J-TP REG
R070 1.0k
R071 1.0k
R072 1.0k
R073 1.0k
SUB CONTROLER
IC002 MB88503H-597G SYSTEM-CTL
R045 1.0k
R031 10k
R026 1k
R027 1k
R028 1k
R029 1k
R090 470
R1006 180
R1007 180
R069 3.3k
R030 4.7k
R025 1.0k
L001 27μH
C008 47p CH
C009 56p CH
C010 100 50V
C011 0.01 F
R049 1.0k
R053 47k
R050 22k
Ð007 RD5.6ES-T1B2 PROTECT-2
Ð008 RD36ES-T1B4 39V-ZENER
C015 47 50V
C016 0.01 F
C017 10 50V
R062 330
R051 10k
C018 270p
R063 15k
R064 10k
Ð009 RD5.6ES-T1B2 PROTECT-3
R046 10k
C028 150p
R084 470
R032 1.0k
Q003 JA101TP VIDEO-BUFF
R1012 100
Q004 JA101TP SYNC-SEP
R079 33k
R078 3.3k
R081 100k
C019 0.047 100V :MPS
C027 0.1 100V :MPS
CND45 TO J1 BOARD CNJ45
R75 1k
R057 220
R058 220
R096 220
R095 220
R080 10k
R083 10k
R094 10k
R093 10k
C012 100 50V
C013 0.01 F
CND12
1 GND
2 INST
3 L
4 Ð/K
5 I
6 M
7 B/G
CND11 TO A BOARD CNA11
1 L OUT
2 GND
3 R OUT
4 4 LEL
5 PRC
6 GND
7 TV OUT
8 GND
9 AFT
10 VC
11 U
12 VSH
13 VH
14 VL
15 BAND
16 GND
17 AGC
18 12V
KS
(STEREO)
CNK25
R OUT 1
GND 2
L OUT 3
TO J1 BOARD CNJ25
Q201 JC501 R-BUFF
Q202 JC501 L-BUFF
Ð201 RD9.1ESB3 PROTECT-1
Ð202 RD9.1ESB3 PROTECT-2
C203 47 16V
R223 470
R201 100k
R202 4.7k
R203 100k
C205 4.7 50V
R231 47k
R232 47k
C206 47 16V
R224 470
R230 100k
R229 100k
R220 4.7k
C207 4.7 50V
C224 0.01 400V :MPS
R209 22k
R212 22k
R213 15k
C227 0.022 250V :MPS
R215 22k
C228 0.033 250V
R219 10k
C229 0.015 400V :MPS
C230 0.015 400V :MPS
R216 22k
C219 0.022 250V :MPS
C221 0.0033 100V :PT
C225 0.47 50V :MPS
C217 0.0068 400V :MPS
C202 0.47 50V
C213 22 50V
R210 15k
C238 220p
Ð206 RD7.5ESB3 PROTECT-6
C236 470p B
C234 470p B
R226 1.0k
C231 0.47 50V
Ð205 RD7.5ESB3 PROTECT-5
R205 33k
R207 3.3k
C223 0.022 100V :MPS
R211 100k
R217 15k
R225 1.0k
IC201 TDA6200 AF-INTERFACE
DCUP ROUT GND EXP TRE BASS BASS QOUT QIN RBASS SWOUT AF2IN 4LEL AF1IN
LOUT VCC EXP TRE BASS BASS LBASS LED2 LED1 SCL SDA REF RIN LIN
C237 0.47 50V
C204 0.47 50V
R204 33k
R206 3.3k
C222 0.022 100V :MPS
C226 0.47 50V :MPS
R208 15k
R221 1.0k
R222 1.0k
R214 1.0k
R218 1.0k
C233 470p B
C235 470p B
C232 10 50V
R227 1.0k
R228 1.0k
C214 0.0068 400V :MPS
C218 0.022 250V :MPS
C220 0.0033 100V :PT
C239 470 16V
CNK21
18V VOL MUTE SW SDA SCL LED2 LED1 L OUT R OUT 12V TVL IN GND TVR IN 4LEL GND L IN R IN
TO D BOARD CND21
(SYSTEM COTROL, MEMORY, POWERCTL, JUNGLE, H·V OUT,)
D

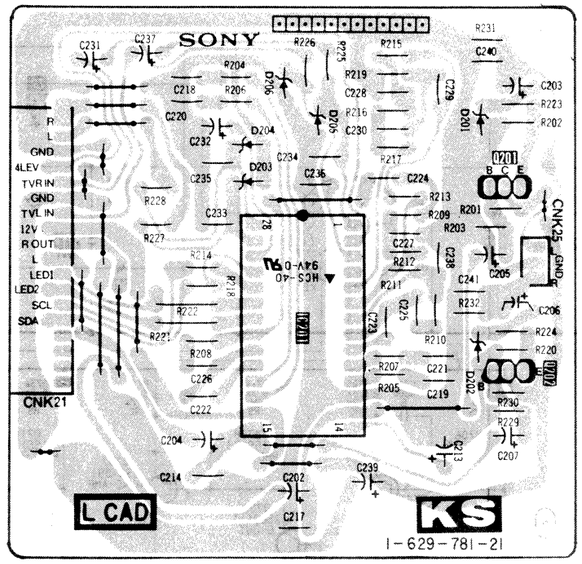
# Ks [AF INTERFACE]

# D [AF OUT, Y-CHROMA, JUNGLE, V-H DEF]

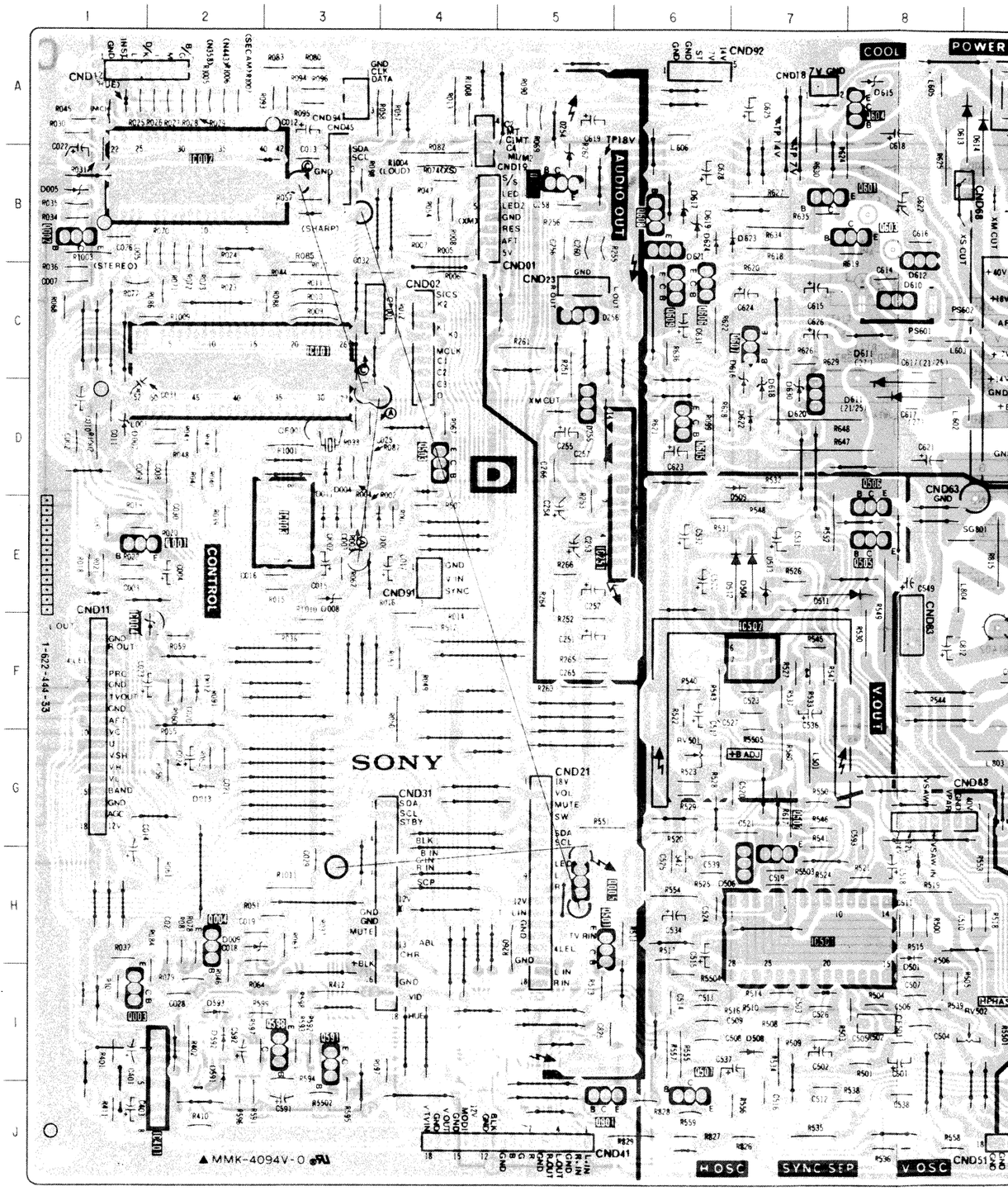
## KS BOARD IC201 TDA6200




— KS Board —

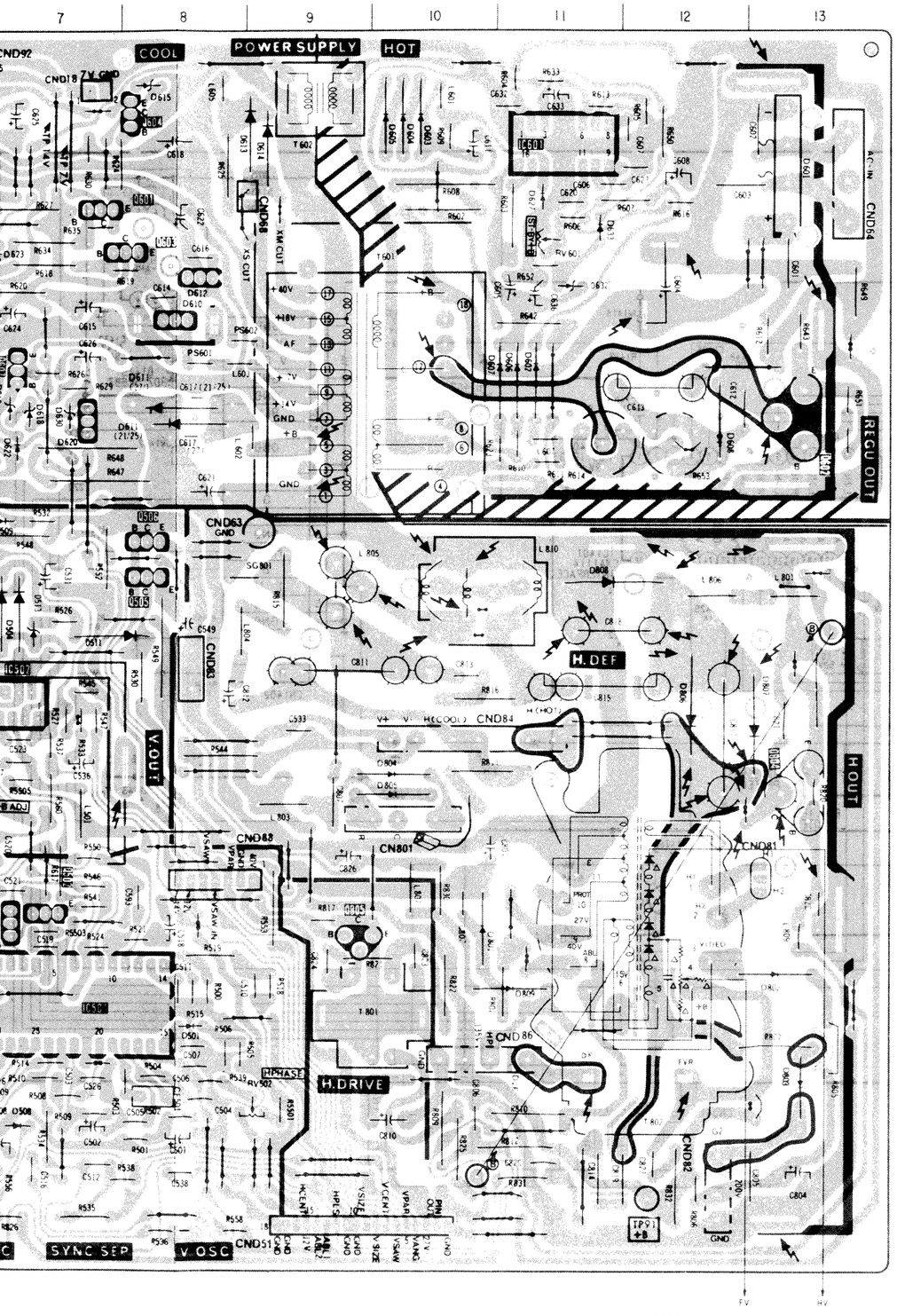



— D Board —




## • D BOARD WAVEFORM

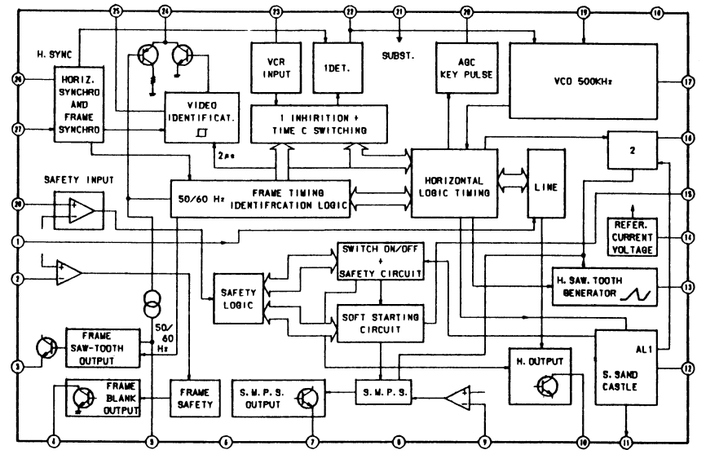
| | | | | |
|---|---|---|---|---|
| ① 1.2Vp-p(H) | ⑤ 4Vp-p(H) | ⑨ 0.1Vp-p(503kHz) | ⑬ 12Vp-p(H) | ⑰ 5.6Vp-p(H) |
| ② 2.4Vp-p(V) | ⑥ 11Vp-p(H) | ⑩ 1.8Vp-p(H) | ⑭ 1200Vp-p(H) | ⑱ 5.6Vp-p(V) |
| ③ 5.3Vp-p(V) | ⑦ 14Vp-p(H) | ⑪ 3.2Vp-p(H) | ⑮ 1Vp-p(H) | ⑲ 6.4Vp-p(H) |
| ④ 2.4Vp-p(V) | ⑧ 3.6Vp-p(H) | ⑫ 230Vp-p(H) | ⑯ 11Vp-p(H) | |



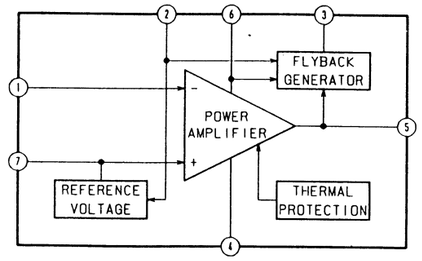

| IC | | DIODE | |
|---|---|---|---|
| IC001 | D-3 | D001 | E-4 |
| IC002 | B-2 | D002 | E-3 |
| IC003 | E-3 | D003 | E-3 |
| IC004 | F-2 | D004 | D-3 |
| IC251 | E-6 | D005 | B-1 |
| IC401 | J-2 | D007 | D-1 |
| IC501 | H-7 | D008 | F-3 |
| IC502 | F-7 | D009 | I-3 |
| IC601 | B-11 | D011 | E-3 |
| | | D012 | F-2 |
| | | D013 | G-2 |
| **TRANSISTOR** | | D254 | B-5 |
| Q0001 | E-2 | D501 | I-8 |
| Q0002 | B-1 | D504 | E-7 |
| Q0003 | I-2 | D506 | H-7 |
| Q0004 | H-2 | D508 | I-7 |
| Q252 | B-6 | D511 | F-8 |
| Q501 | H-6 | D512 | E-7 |
| Q502 | H-7 | D513 | E-7 |
| Q503 | D-4 | D591 | J-2 |
| Q505 | E-8 | D592 | I-2 |
| Q506 | E-8 | D593 | I-2 |
| Q507 | J-6 | D601 | B-13 |
| Q591 | I-3 | D602 | C-11 |
| Q598 | I-3 | D603 | A-10 |
| Q601 | B-8 | D604 | A-10 |
| Q602 | D-13 | D605 | A-10 |
| Q603 | B-8 | D606 | C-11 |
| Q604 | A-8 | D607 | C-11 |
| Q605 | D-6 | D608 | D-11 |
| Q606 | C-6 | D610 | C-8 |
| Q607 | C-7 | D611 | D-8 |
| Q608 | B-6 | D612 | C-8 |
| Q609 | C-6 | D613 | A-9 |
| Q801 | J-6 | D614 | B-9 |
| Q804 | G-13 | D615 | A-8 |
| Q805 | H-10 | D616 | D-7 |
| | | D617 | B-6 |
| | | D618 | D-7 |
| | | D619 | B-6 |
| | | D620 | D-8 |
| | | D621 | C-6 |
| | | D622 | D-7 |
| | | D623 | C-7 |
| | | D624 | C-7 |
| | | D627 | B-11 |
| | | D630 | D-7 |
| | | D632 | C-11 |
| | | D633 | C-11 |
| | | D801 | H-11 |
| | | D802 | H-13 |
| | | D803 | I-13 |
| | | D804 | G-10 |
| | | D805 | G-10 |
| | | D806 | F-12 |
| | | D808 | E-12 |
| | | D809 | H-11 |
| | | **VARIABLE RESISTOR** | |
| | | RV501 | G-6 |
| | | RV502 | I-9 |
| | | RV601 | B-11 |



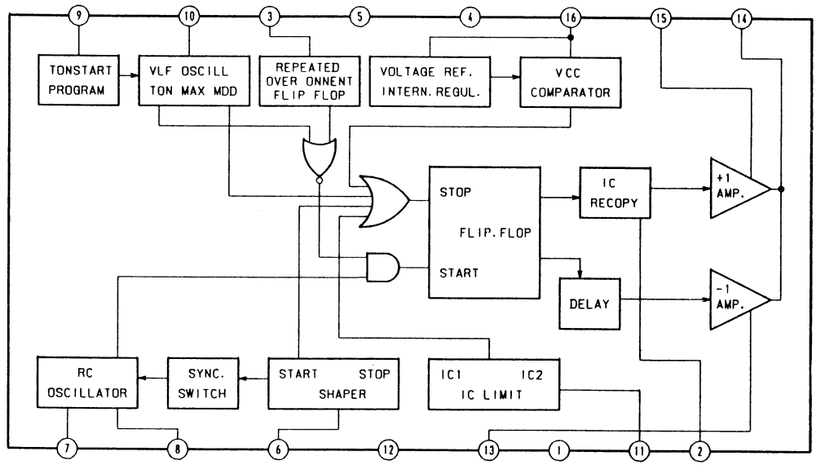
## D BOARD IC501 TEA2028A



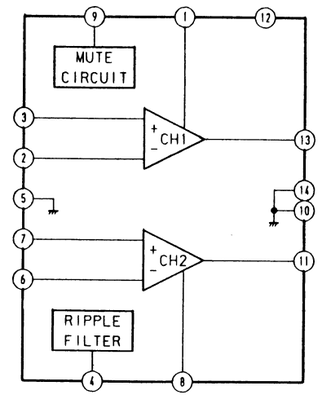

## D BOARD IC502 TDA8170

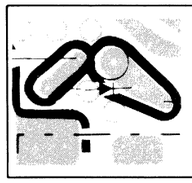



## D BOARD IC601 TEA2164

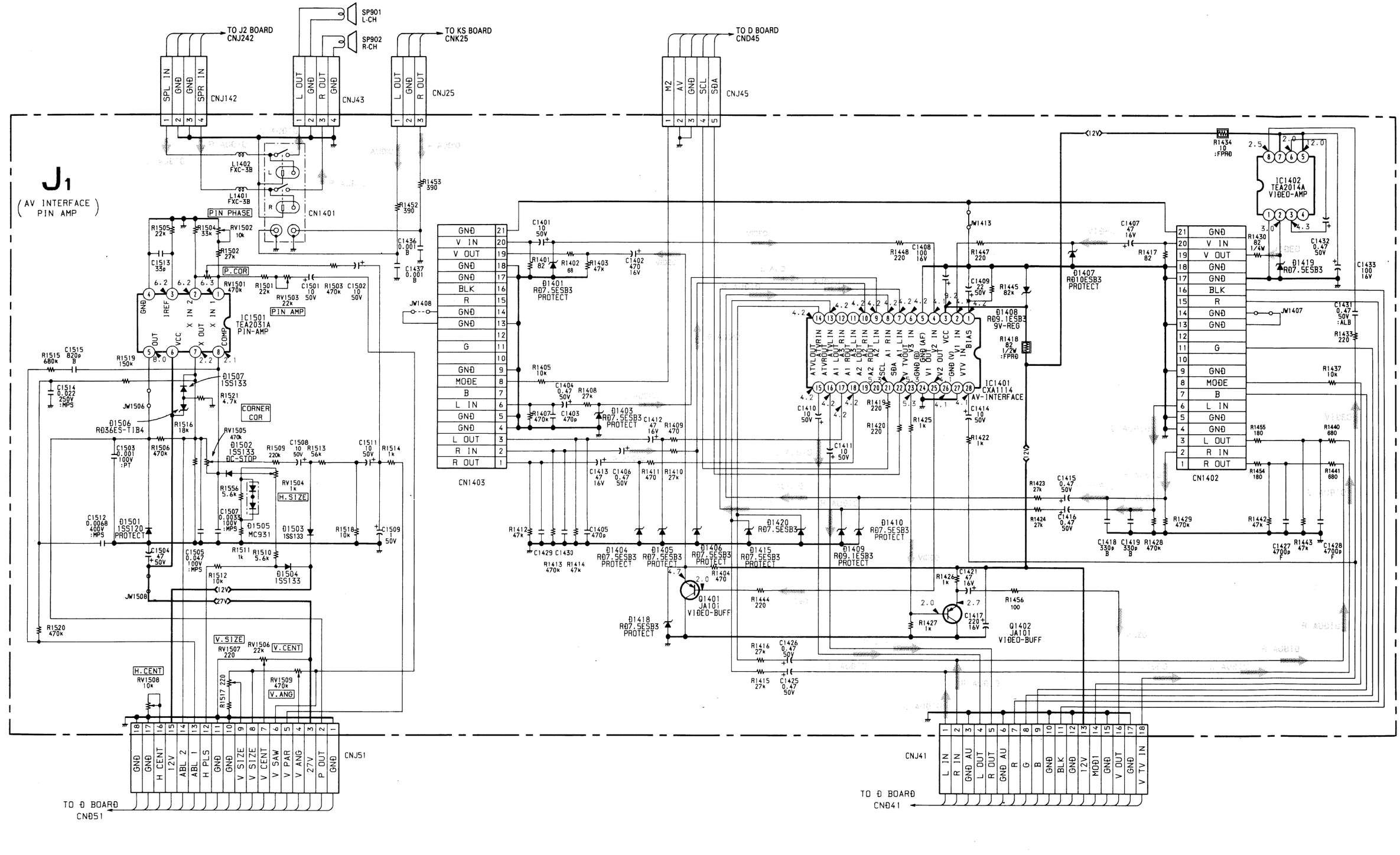


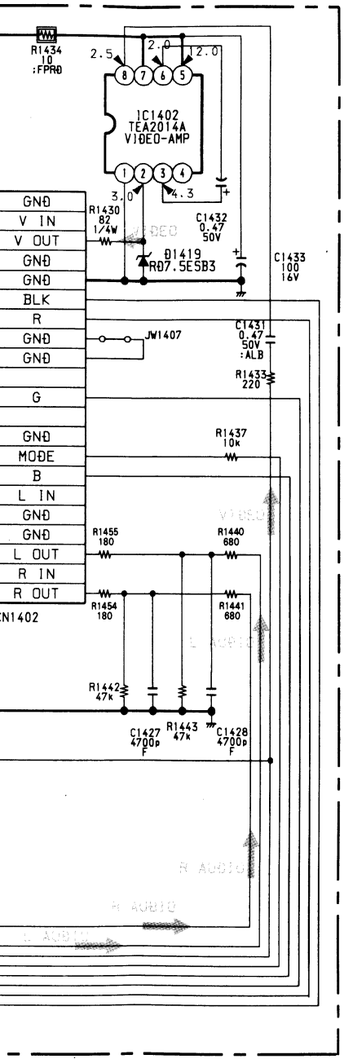

## D BOARD IC251 LA4280

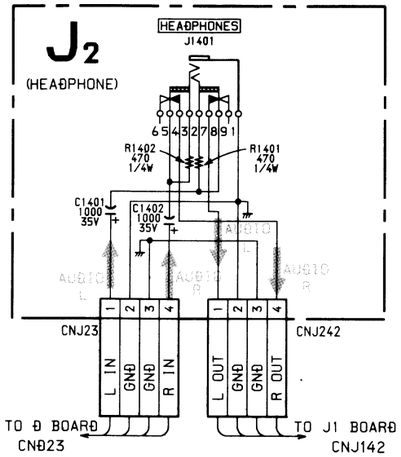


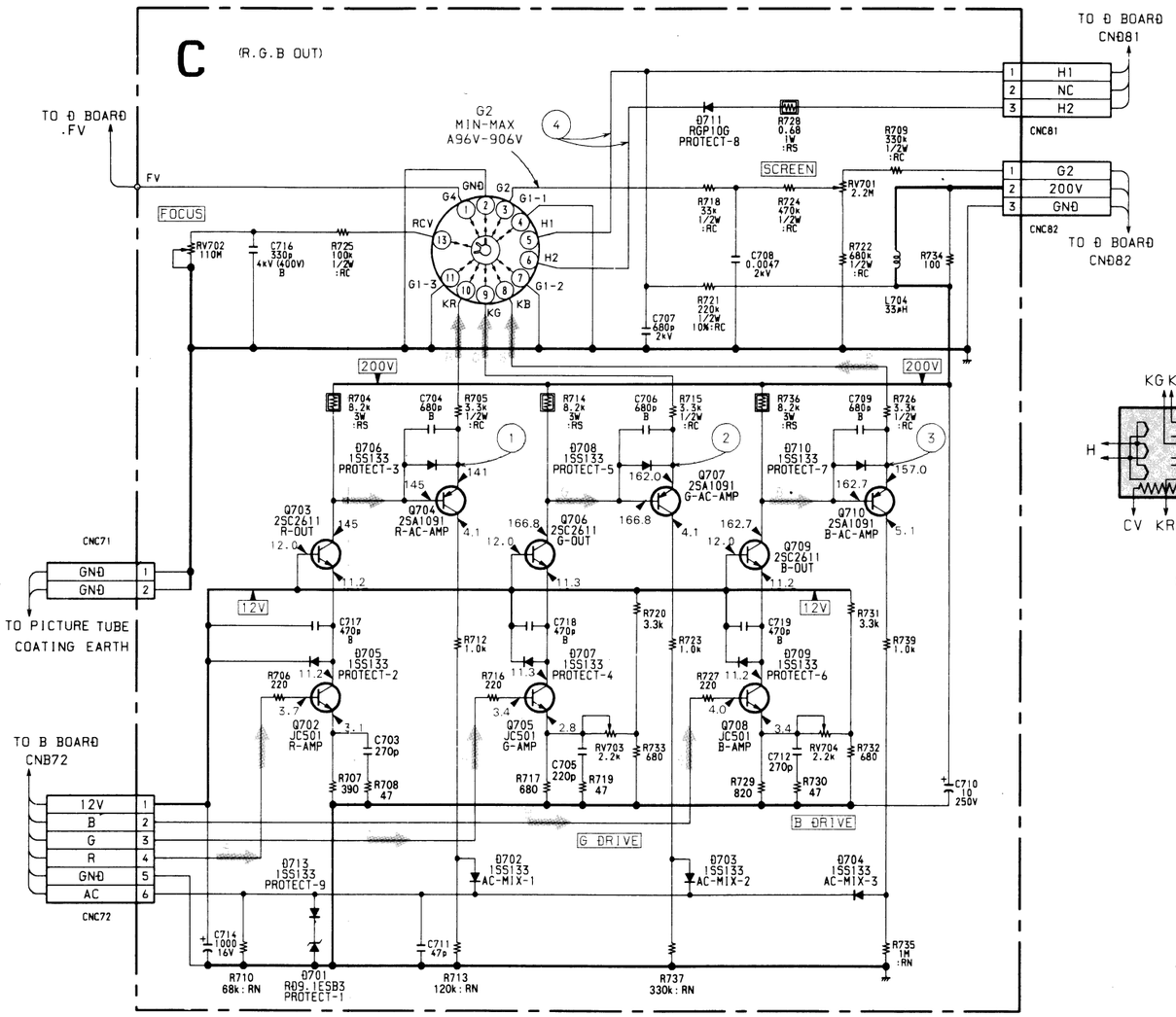



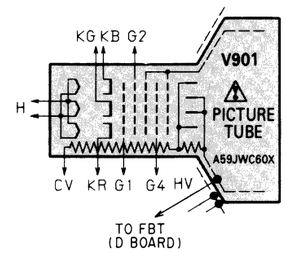
**NOTE:**
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.


J1
(AV INTERFACE PIN AMP)
TO J2 BOARD CNJ242
SPL IN
GND
GND
SPR IN
CNJ142
SP901 L-CH
SP902 R-CH
L OUT
GND
R OUT
GND
CNJ43
TO KS BOARD CNK25
L OUT
GND
R OUT
CNJ25
TO D BOARD CND45
M2
AV
GND
SCL
SDA
CNJ45
L1402 FXC-3B
L1401 FXC-3B
CN1401
PIN PHASE
P.COR
PIN AMP
IC1501 TEA2031A PIN-AMP
CORNER COR
AC-STOP
H.SIZE
V.SIZE
V.CENT
H.CENT
V.ANG
CNJ51
TO D BOARD CND51
CN1403
IC1402 TEA2014A VIDEO-AMP
IC1401 CXA1114 AV-INTERFACE
D1408 RD9.1ESB3 9V-REG
D1407 RD10ESB3 PROTECT
Q1401 2A101 VIDEO-BUFF
Q1402 2A101 VIDEO-BUFF
CN1402
CNJ41
TO D BOARD CND41

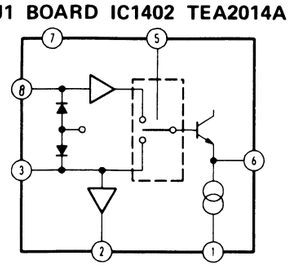


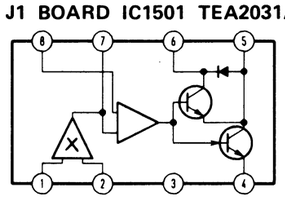



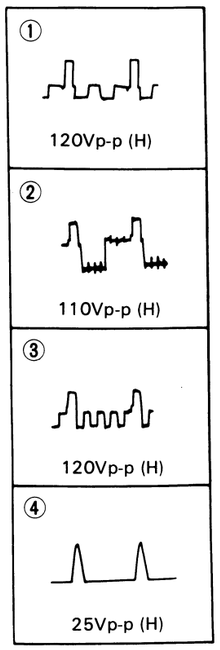

**J1 BOARD IC1402 TEA2014A**

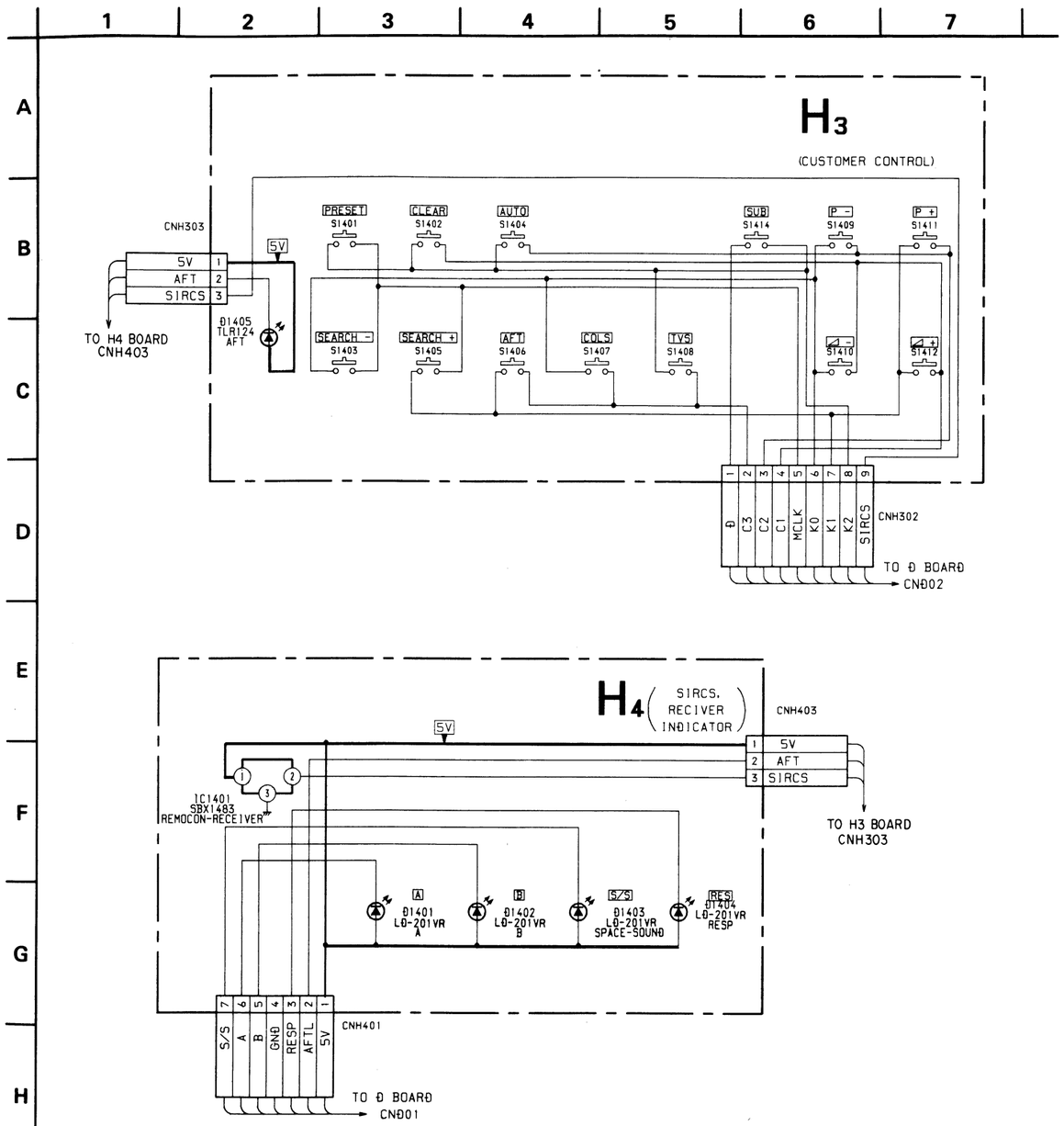


**J1 BOARD IC1501 TEA2031A**

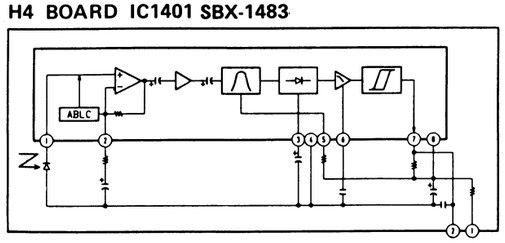


**• C BOARD WAVEFORM**





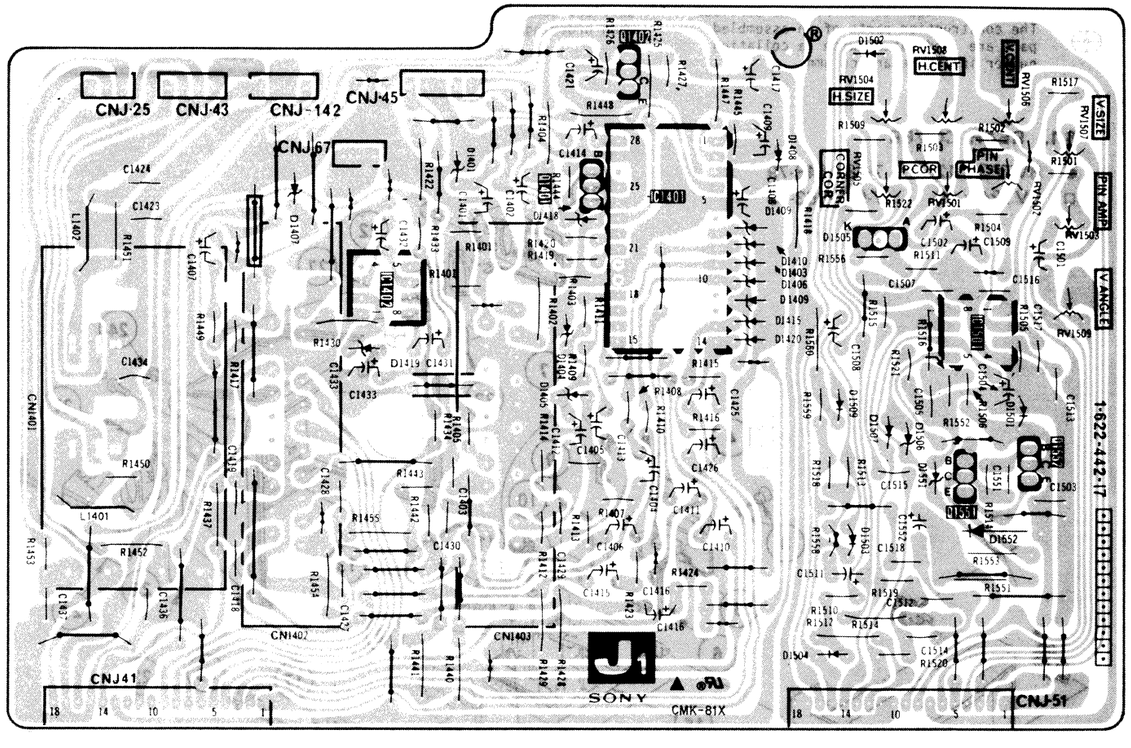

## H4 BOARD IC1401 SBX-1483



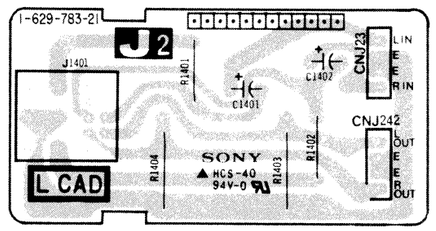



# J1 [INTERFACE] J2 [HEADPHONE JACK]

**– J1 Board –**




**– J2 Board –**



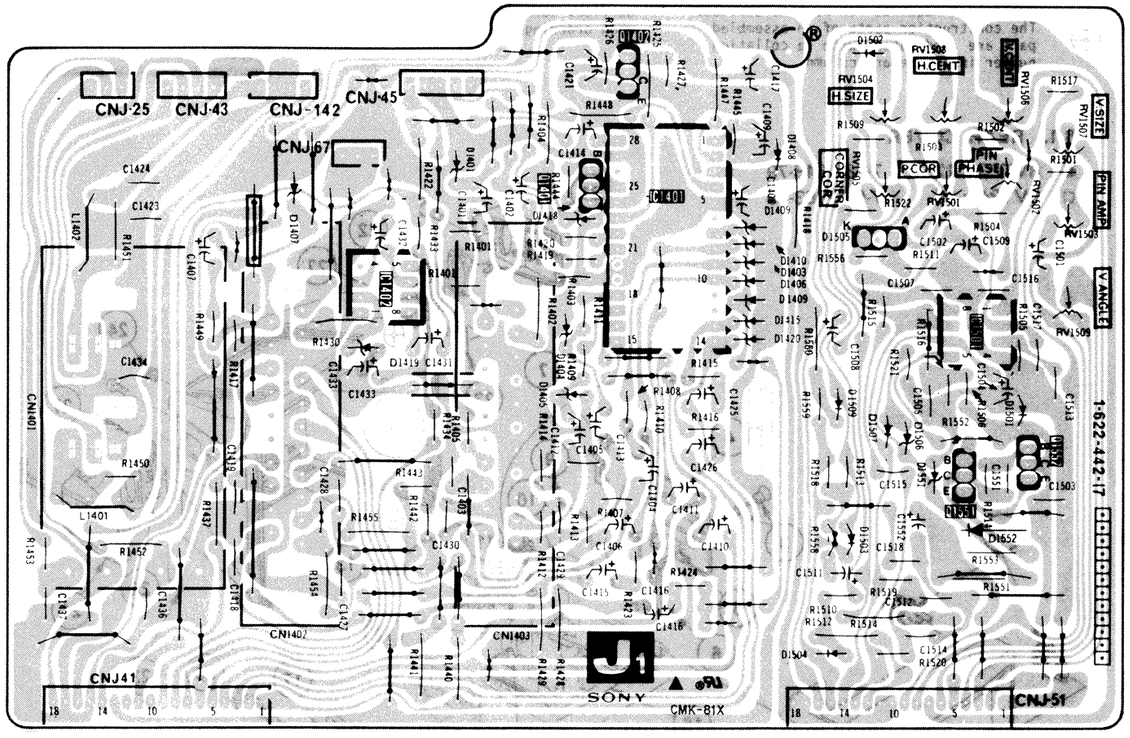
7

BOARD
902

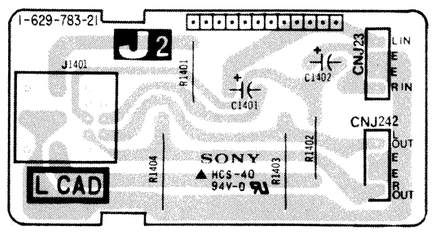
## J1 [INTERFACE]

## J2 [HEADPHONE JACK]

**– J1 Board –**




**– J2 Board –**



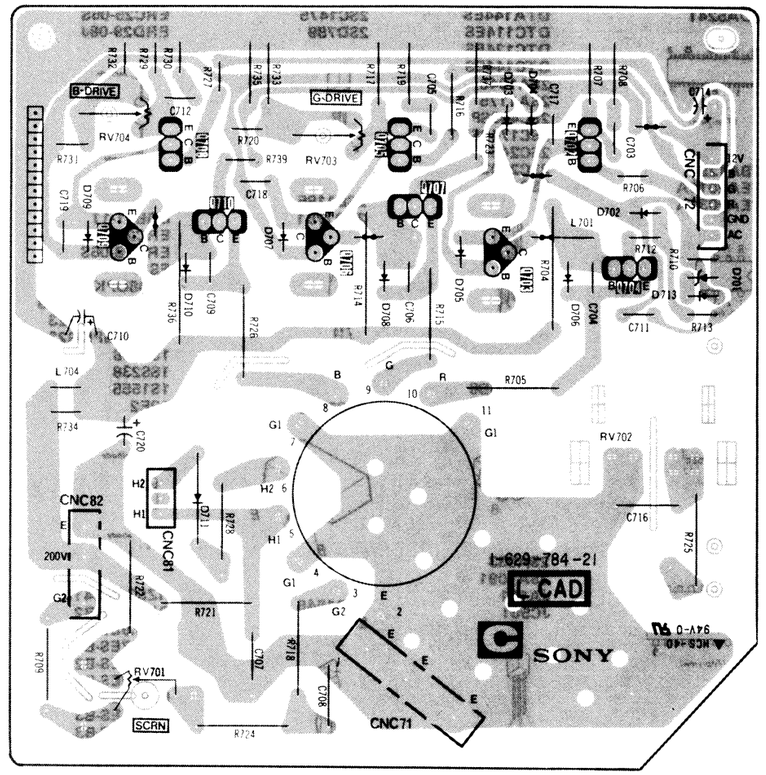



## C [R·G·B OUT]

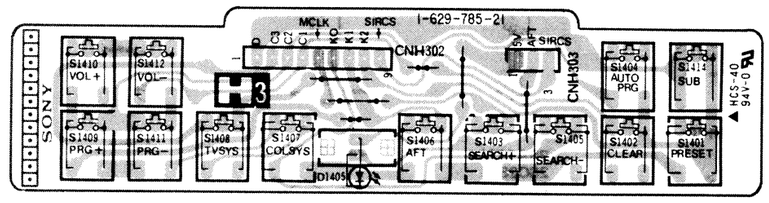
## H3 [CUSTOMER CONTROL]

## H4 [REMOCON RECEIVER]

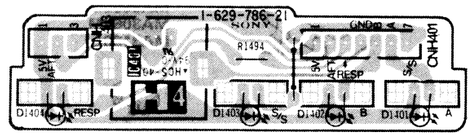
**– C Board –**




**– H3 Board –**

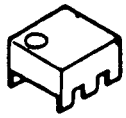



**– H4 Board –**

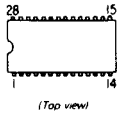


## 5-5. SEMICONDUCTORS

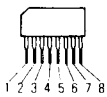
**BX1387**
**SBX1483**



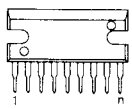
**CXA1114P**
**MAB8461P**
**SAA5231-V6**
**TDA4555**
**TDA4580**
**TDA6200**
**TDA6600**
**TEA2028B**
**TMM2063D**



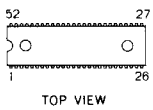

**CX20061**



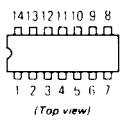

**LA4280**



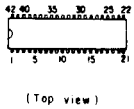

**M50436-614SP**



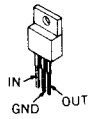

**M58655P**



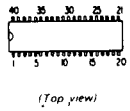

**MB88503H**



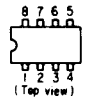

**NJM7812B**
**μPC7812J**



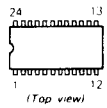

**SAA5243E**
**SDA5241**




**TBA129**
**TEA2014A**
**TEA2031A**




**TDA2556**
**TDA2558**

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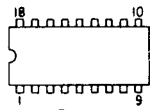


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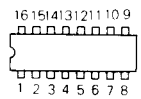
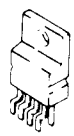
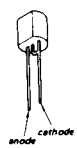
**TDA8442**
**TEA2162A**
**TEA2164**




**TDA8170**



**μPC574J**




**DTA114ES**
**DTA144ES**
**DTC114ES**
**DTC124ES**
**DTC144ES**
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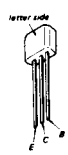
**2SA1175**
**2SC403SP**
**2SC1740SRT**
**2SC2458**
**2SC2603**
**2SC2710**

**DTC114EK**
**2SB815B6**
**2SC2712G**

**2SA933**
**2SA1091**
**JA101**
**JC501**

**2SA1175**
**2SC2785**

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**2SC2611**
**2SC2688**
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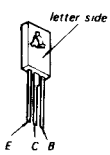


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**2SB740**
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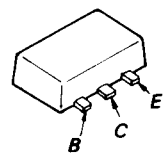
**2SD789**

**2SB1185**
**2SD1761**

**2SC2873-Y**

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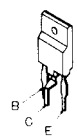
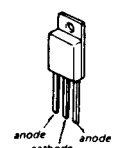
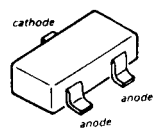


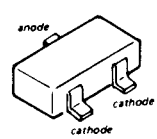

**CTU-12S**



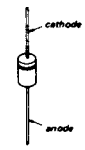

**DAN-202K**




**DAP202K**




**ERC06-15S**
**ERC25-06S**
**ERD29-08J**




**EQB01-11**
**ERC24-06S**
**ERD28-06S**
**ES1F**
**GP08DPKG23**
**RGP01-17PKG23**
**RGP10GPKG23**
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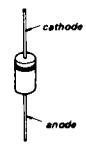
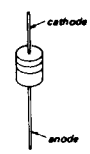
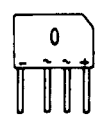
**1SS168**
**1SS238**
**1S1555**
**10E2**



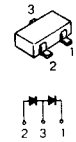

**HZS39NB4TD**
**RD3.6ES-B2**
**RD3.9ES-B1**
**RD4.7ES-B1**
**RD5.6ES-B2**
**RD6.2ES-B2**
**RD6.8ES-B2**
**RD7.5ES-B3**
**RD9.1ES-B3**
**RD10ES-B3**
**RD15ES-B1**
**RD36ES-B4**
**RD39ES-B4**
**1SS119**
**1SS120**
**1SS133**



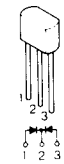

**KBU4JL**



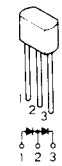

**MA3036H**
**MA3056M**
**MA3068M**
**MA3130L**



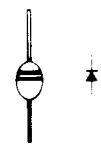

**MC921**



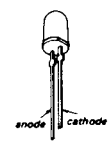

**MC931**



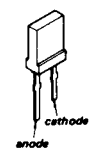

**U05G**
**V19E**



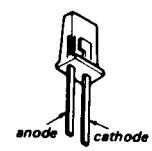
**SE303AY**



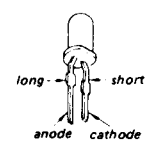

**SLP162B**




**SR632D**




**TLR124**
**LD201VR**



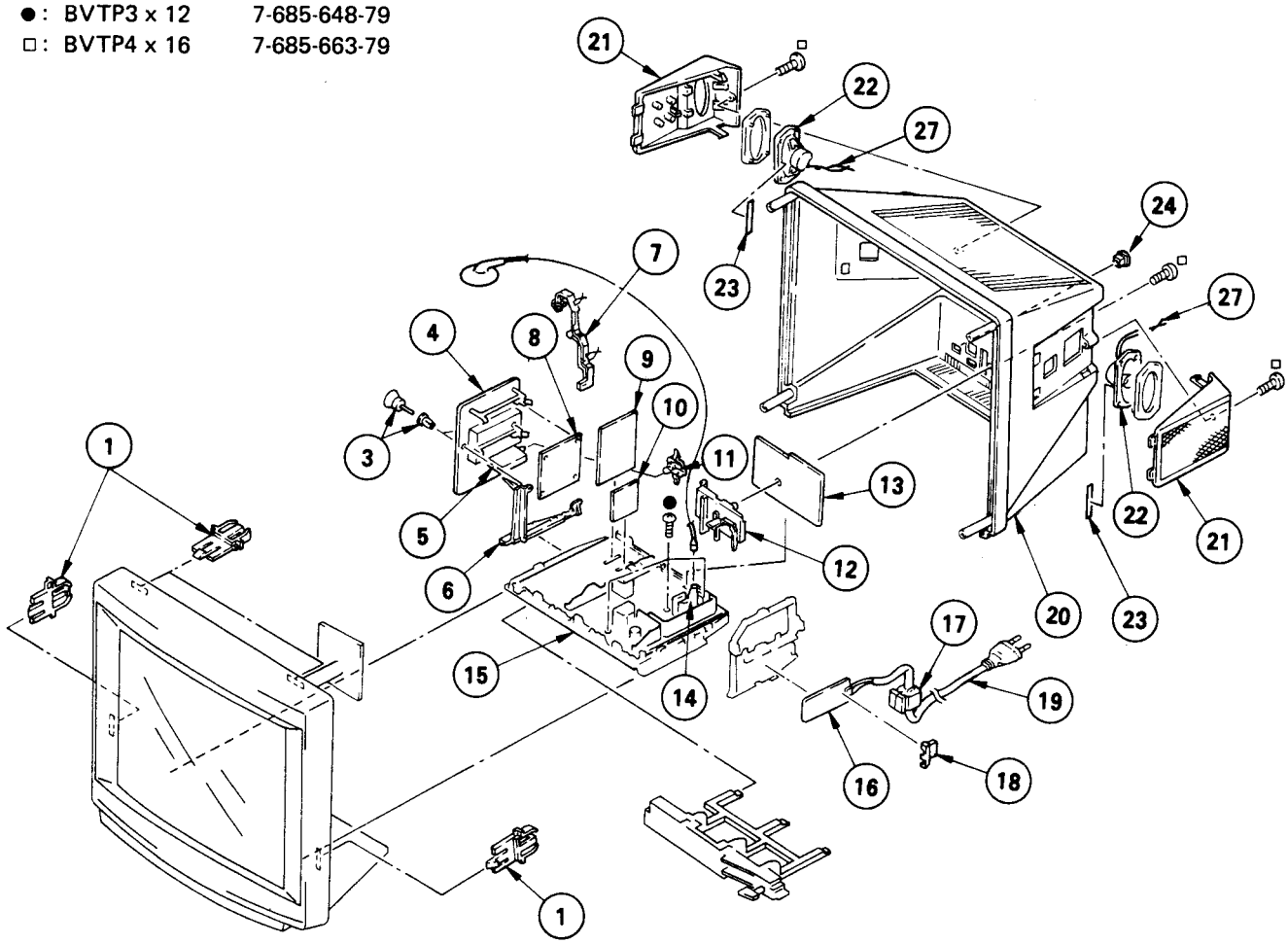
# SECTION 6
# EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

## 6-1. REAR COVER

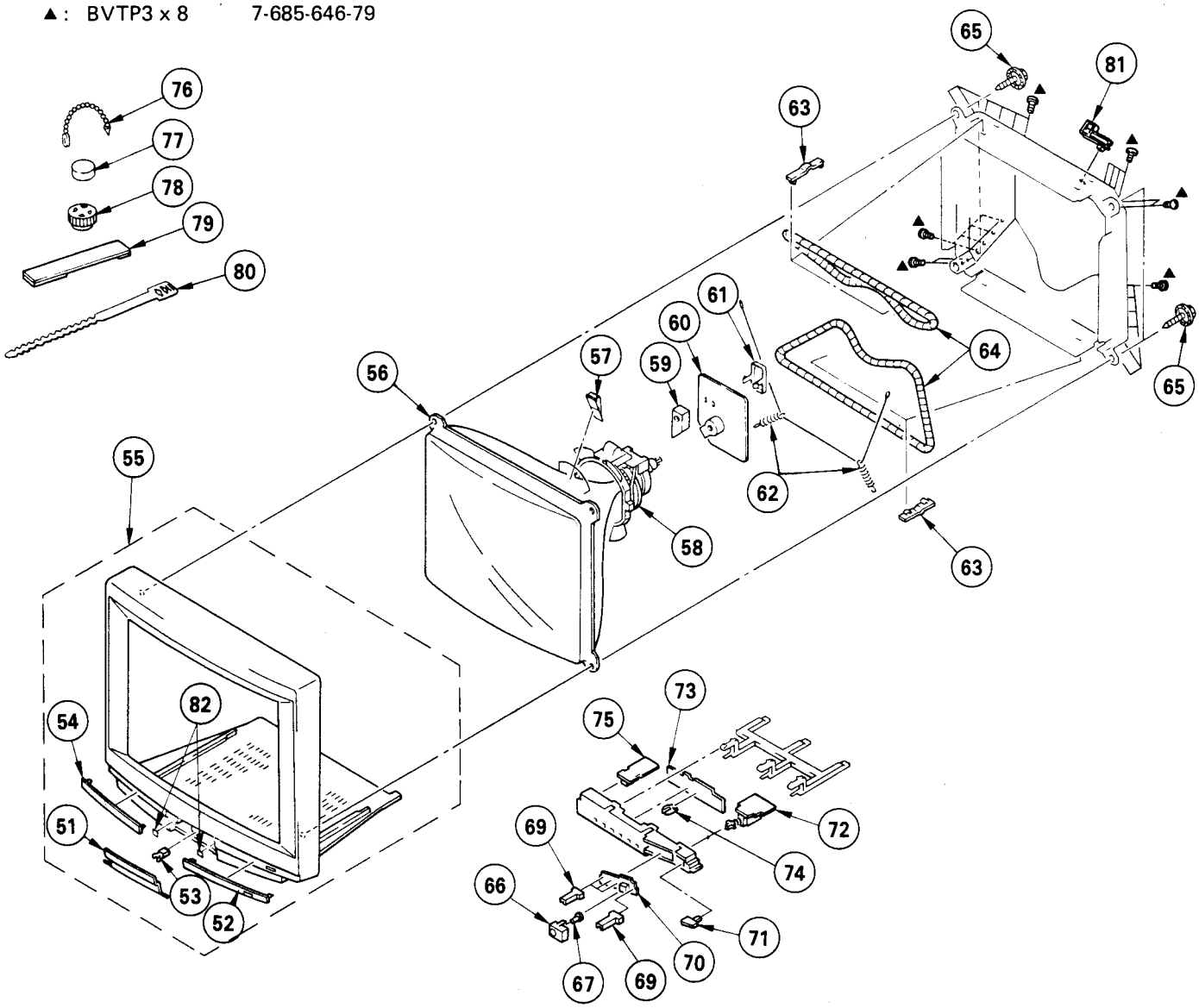
●: BVTP3 x 12 7-685-648-79
□: BVTP4 x 16 7-685-663-79




| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 1 | 4-382-745-01 | HOLDER, RC | |
| 3 | 4-386-618-01 | RIVET, T TYPE | |
| 4 | *A-1296-476-A | A BOARD, COMPLETE | |
| 5 ⚠ | .1-465-053-11 | TUNER, ET (UV-615S) | |
| 6 | *4-386-629-12 | BRACKET, A | |
| 7 | *4-386-628-11 | SUPPORTER, PC BOARD | |
| 8 | *A-1347-030-A | V BOARD, COMPLETE | |
| 9 | *A-1135-498-A | B BOARD, COMPLETE | |
| 10 | *1-629-781-21 | KS BOARD | |
| 11 | *4-386-617-01 | HOLDER, TERMINAL | |
| 12 | *4-386-624-11 | BRACKET, J | |
| 13 | *A-1371-373-A | J1 BOARD, COMPLETE | |
| 14 ⚠ | .1-439-416-11 | TRANSFORMER ASSY, FLYBACK | |
| 15 | *A-1345-720-A | D BOARD, COMPLETE | |
| 16 | *1-629-719-21 | F1 BOARD | |
| 17 ⚠ | .4-022-115-01 | HOLDER, AC CODE | |
| 18 | *4-386-620-01 | COVER, POWER | |
| 19 ⚠ | .1-559-346-12 | CORD, POWER (WITH CONNECTOR) | |
| 20 | 4-387-818-11 | COVER, REAR | |
| 21 | X-4385-930-3 | BOARD ASSY, BAFFLE | |
| 22 | 1-503-642-41 | SPEAKER | |
| 23 | 4-387-886-01 | SPACER, BAFFLE BOARD | |
| 24 | 4-389-292-01 | BUSHING, CORD | |
| 27 | 1-574-565-11 | CORD (WITH PLUG) | |

## 6-2. PICTURE TUBE

▲: BVTP3 x 8 7-685-646-79




| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 51 | 4-389-279-01 | DOOR, CONTROL | |
| 52 | 4-392-804-01 | PLATE (C), ORNAMENTAL | |
| 53 | 4-386-710-01 | CATCHER, PUSH | |
| 54 | 4-392-805-01 | PLATE (D), ORNAMENTAL | |
| 55 | X-4385-965-1 | BEZNET ASSY | 51-54 |
| 56 ⚠ | .8-733-224-05 | PICTURE TUBE (A59JWC60X) | |
| 57 | 3-703-961-01 | SPACER, DY | |
| 58 ⚠ | .1-451-311-31 | DEFLECTION YOKE (Y25FXA) | |
| 59 | *4-379-167-01 | COVER (MAIN), CV | |
| 60 | *A-1330-849-A | C BOARD, COMPLETE | |
| 61 | *4-379-160-01 | COVER (REAR LID), CV | |
| 62 | 4-303-774-XX | SPRING | |
| 63 | *4-385-916-01 | HOLDER (D) | |
| 64 ⚠ | .1-426-372-11 | COIL, DEMAGNETIZATION | |
| 65 | 4-373-263-01 | SCREW (M), PT | |
| 66 | *4-388-955-01 | BRACKET (B), LIGHT GUIDE | |
| 67 | *4-374-987-01 | GUIDE, LIGHT | |
| 69 | *4-387-825-01 | HOLDER, LED | |
| 70 | *1-629-786-21 | H4 BOARD | |
| 71 | 4-389-278-01 | BUTTON, POWER | |
| 72 | *1-629-720-21 | F2 BOARD | |
| 73 | *1-629-785-21 | H3 BOARD | |
| 74 | *4-384-208-01 | HOLDER, LED | |
| 75 | *1-629-783-21 | J2 BOARD | |
| 76 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 77 | 1-452-032-00 | MAGNET, DISK; 10MM $\phi$ | |
| 78 | 1-452-094-00 | MAGNET, ROTATABLE DISK; 150MM $\phi$ | |
| 79 | X-4387-214-1 | PERMALOY ASSY, CONVERGENCE | |
| 80 | 3-701-007-00 | BAND, BINDING | |
| 81 | *4-387-216-01 | HOLDER, LEAD | |
| 82 | 4-314-871-00 | CUSHION | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

A C

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R153 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W | |
| R154 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R155 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | |
| R156 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | |
| R163 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R165 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R166 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R174 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R175 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R188 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R189 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| | | <VARIABLE RESISTOR> | | | | |
| RV101 | 1-237-753-11 | RES, ADJ, CARBON 47K | | | | |
| RV102 | 1-237-751-11 | RES, ADJ, CARBON 10K | | | | |
| RV103 | 1-237-753-11 | RES, ADJ, CARBON 47K | | | | |
| | | <TRANSFORMER> | | | | |
| T101 | 1-404-493-00 | COIL | | | | |
| T102 | 1-404-493-00 | COIL | | | | |
| T103 | 1-404-493-00 | COIL | | | | |
| ********** | | | | | | |
| | *A-1330-849-A | C BOARD, COMPLETE | | | | |
| | | ********** | | | | |
| | *4-379-160-01 | COVER (REAR LID), CV | | | | |
| | *4-379-167-01 | COVER (MAIN), CV | | | | |
| | *4-386-664-01 | SPRING | | | | |
| | | <CAPACITOR> | | | | |
| C703 | 1-102-980-00 | CERAMIC | 270PF | 5% | 50V | |
| C704 | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V | |
| C705 | 1-102-978-00 | CERAMIC | 220PF | 5% | 50V | |
| C706 | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V | |
| C707 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV | |
| C708 | 1-162-114-00 | CERAMIC | 0.0047MF | | 2KV | |
| C709 | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V | |
| C710 | 1-123-947-00 | ELECT | 10MF | 20% | 250V | |
| C711 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C712 | 1-102-980-00 | CERAMIC | 270PF | 5% | 50V | |
| C714 | 1-124-360-00 | ELECT | 1000MF | 20% | 16V | |
| C716 | 1-162-622-11 | CERAMIC | 330PF | 10% | 400V | |
| C717 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C718 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C719 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| | | <CONNECTOR> | | | | |
| CNC71 | *1-506-371-00 | PIN, CONNECTOR 2P | | | | |
| CNC72 | *1-564-883-11 | PLUG, CONNECTOR 6P | | | | |
| CNC81 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| CNC82 | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P | | | | |
| | | <DIODE> | | | | |
| D701 | 8-719-110-14 | DIODE RD9.1ES-B3 | | | | |
| D702 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D703 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D704 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D705 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D706 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D707 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D708 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D709 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D710 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D711 | 8-719-925-06 | DIODE ERC25-06S | | | | |
| D713 | 8-719-911-19 | DIODE 1SS119 | | | | |
| | | <JACK> | | | | |
| J701 | 1-526-798-51 | SOCKET, PICTURE TUBE | | | | |
| | | <COIL> | | | | |
| L704 | 1-410-878-21 | INDUCTOR | 33UH | | | |
| | | <TRANSISTOR> | | | | |
| Q702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q703 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q704 | 8-729-200-17 | TRANSISTOR 2SA1091 | | | | |
| Q705 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q706 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q707 | 8-729-200-17 | TRANSISTOR 2SA1091 | | | | |
| Q708 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q709 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q710 | 8-729-200-17 | TRANSISTOR 2SA1091 | | | | |
| | | <RESISTOR> | | | | |
| R704 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W | F |
| R705 | 1-202-824-00 | SOLID | 3.3K | 10% | 1/2W | |
| R706 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R707 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W | |
| R708 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R709 | 1-202-844-00 | SOLID | 330K | 10% | 1/2W | |
| R710 | 1-215-465-00 | METAL | 68K | 1% | 1/6W | |
| R712 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R713 | 1-215-471-00 | METAL | 120K | 1% | 1/6W | |
| R714 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W | F |
| R715 | 1-202-824-00 | SOLID | 3.3K | 10% | 1/2W | |
| R716 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R717 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R718 | 1-202-814-11 | SOLID | 33K | 10% | 1/2W | |
| R719 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R720 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R721 | 1-202-842-11 | SOLID | 220K | 10% | 1/2W | |
| R722 | 1-202-848-00 | SOLID | 680K | 10% | 1/2W | |
| R723 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R724 | 1-202-846-00 | SOLID | 470K | 10% | 1/2W | |
| R725 | 1-202-838-00 | SOLID | 100K | 10% | 1/2W | |
| R726 | 1-202-824-00 | SOLID | 3.3K | 10% | 1/2W | |
| R727 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R728 | 1-216-347-11 | METAL OXIDE | 0.68 | 5% | 1W | F |
| R729 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W | |
| R730 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R731 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R732 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R733 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R734 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R735 | 1-215-493-00 | METAL | 1M | 1% | 1/6W | |
| R736 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W | F |
| R737 | 1-215-491-00 | METAL | 820K | 1% | 1/6W | |
| R739 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |

C D

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | | <VARIABLE RESISTOR> | | | | |
| RV701 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M | | | | |
| RV702 | 1-230-619-11 | RES, ADJ, METAL GLAZE 110M | | | | |
| RV703 | 1-237-749-11 | RES, ADJ, CARBON 2200 | | | | |
| RV704 | 1-237-749-11 | RES, ADJ, CARBON 2200 | | | | |
| ********** | | | | | | |
| | *A-1345-720-A | D BOARD, COMPLETE | | | | |
| | | ********** | | | | |
| | *4-341-751-01 | EYELET | | | | |
| | *4-341-752-01 | EYELET | | | | |
| | | <CAPACITOR> | | | | |
| C001 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C003 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C004 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C005 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C007 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 100V | |
| C008 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C009 | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V | |
| C010 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C011 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C012 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C013 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C014 | 1-124-463-00 | ELECT | 0.1MF | 20% | 50V | |
| C015 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C016 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C017 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C018 | 1-102-980-00 | CERAMIC | 270PF | 5% | 50V | |
| C019 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 100V | |
| C020 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C021 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C022 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C023 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C024 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C025 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V | |
| C026 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V | |
| C027 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C028 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V | |
| C029 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V | |
| C251 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C252 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C253 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C254 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C255 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C256 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C257 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C258 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C260 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C265 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C266 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C401 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C403 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C501 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C502 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C503 | 1-106-371-00 | MYLAR | 0.015MF | 10% | 400V | |
| C504 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V | |
| C505 | 1-108-794-11 | MYLAR | 0.0015MF | 5% | 50V | |
| C506 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C507 | 1-130-783-00 | MYLAR | 0.33MF | 10% | 100V | |
| C508 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C509 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C510 | 1-161-959-00 | CERAMIC | 22PF | 10% | 500V | |
| C511 | 1-108-620-11 | MYLAR | 0.0033MF | 10% | 100V | |
| C512 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C513 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C514 | 1-106-228-00 | MYLAR | 0.22MF | 10% | 100V | |
| C515 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C516 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C517 | 1-124-252-00 | ELECT | 0.33MF | 20% | 50V | |
| C518 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C519 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | |
| C520 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V | |
| C521 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C522 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C523 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C524 | 1-108-798-11 | MYLAR | 0.0033MF | 5% | 50V | |
| C525 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C526 | 1-102-951-00 | CERAMIC | 15PF | 5% | 50V | |
| C527 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C531 | 1-124-190-00 | ELECT | 680MF | 10% | 25V | |
| C532 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C533 | 1-106-216-00 | MYLAR | 0.068MF | 10% | 100V | |
| C534 | 1-124-120-11 | ELECT | 220MF | 20% | 16V | |
| C536 | 1-131-365-00 | TANTALUM | 10MF | 10% | 16V | |
| C537 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C538 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C539 | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V | |
| C591 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C592 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C593 | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V | |
| C601 | 1-162-599-12 | CERAMIC | 0.0047MF | | 250V | |
| C602 | 1-162-599-12 | CERAMIC | 0.0047MF | | 250V | |
| C603 | 1-162-599-12 | CERAMIC | 0.0047MF | | 250V | |
| C604 | 1-125-318-00 | ELECT(BLOCK) | 220MF | 20% | 400V | |
| C605 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C606 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C607 | 1-130-019-00 | FILM | 0.0012MF | 5% | 50V | |
| C608 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C611 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C612 | 1-162-115-00 | CERAMIC | 330PF | 10% | 2KV | |
| C613 | 1-136-539-11 | FILM | 0.0022MF | 3% | 2KV | |
| C614 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V | |
| C615 | 1-124-557-11 | ELECT | 1000MF | 20% | 25V | |
| C616 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V | |
| C618 | 1-124-637-11 | ELECT | 1000MF | 20% | 50V | |
| C619 | 1-124-556-11 | ELECT | 2200MF | 20% | 16V | |
| C620 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C621 | 1-124-347-00 | ELECT | 100MF | 20% | 160V | |
| C622 | 1-124-556-11 | ELECT | 2200MF | 20% | 16V | |
| C623 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C624 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C625 | 1-124-360-00 | ELECT | 1000MF | 20% | 16V | |
| C626 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C627 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C631 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C632 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C633 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C636 | 1-123-382-00 | ELECT | 3.3MF | 20% | 50V | |
| C801 | 1-126-105-11 | ELECT | 1000MF | 20% | 35V | |
| C802 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V | |
| C804 | 1-123-948-00 | ELECT | 22MF | 20% | 250V | |
| C805 | 1-162-114-00 | CERAMIC | 0.0047MF | | 2KV | |
| C806 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

D

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C807 | 1-106-395-00 | MYLAR | 0.15MF | 10% | 200V |
| C810 | 1-124-494-00 | ELECT | 33MF | | 160V |
| C811 | 1-136-113-00 | FILM | 2MF | 5% | 200V |
| C812 | 1-124-634-11 | ELECT | 1MF | 20% | 250V |
| C813 | 1-102-212-00 | CERAMIC | 820PF | 10% | 500V |
| C814 | 1-161-754-00 | CERAMIC | 0.001MF | 10% | 2KV |
| C815 | 1-136-111-00 | FILM | 1MF | 5% | 200V |
| C817 | 1-136-565-11 | FILM | 0.015MF | 3% | 1.4KV |
| C818 | 1-136-759-11 | FILM | 0.039MF | 10% | 630V |
| C819 ⚠ | 1-161-731-11 | CERAMIC | 0.001MF | 10% | 2KV |
| C820 | 1-106-218-00 | MYLAR | 0.0082MF | 10% | 400V |
| C821 ⚠ | 1-162-116-51 | CERAMIC | 680PF | 10% | 2KV |
| C822 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C823 | 1-106-359-00 | MYLAR | 0.0047MF | 10% | 400V |
| C824 | 1-102-212-00 | CERAMIC | 820PF | 10% | 500V |
| C825 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V |
| C826 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |

<FILTER>

| | | |
|---|---|---|
| CF001 | 1-567-686-11 | OSCILLATOR, CERAMIC |
| CF501 | 1-567-888-11 | OSCILLATOR, CERAMIC |

<CONNECTOR>

| | | |
|---|---|---|
| CN801 | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P |
| CND01 | *1-564-884-11 | PLUG, CONNECTOR 7P |
| CND02 | *1-564-886-11 | PLUG, CONNECTOR 9P |
| CND11 | *1-566-660-11 | CONNECTOR, HINGE (PLUG) 18P |
| CND12 | *1-564-884-11 | PLUG, CONNECTOR 7P |
| CND18 | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) |
| CND19 | *1-564-881-11 | PLUG, CONNECTOR 4P |
| CND21 | *1-564-346-00 | CONNECTOR, BOARD TO BOARD 18P |
| CND23 | *1-560-124-00 | PLUG, CONNECTOR (2.5MM PITCH) |
| CND31 | *1-564-346-00 | CONNECTOR, BOARD TO BOARD 18P |
| CND41 | *1-566-367-11 | CONNECTOR, HINGE (RECEPTACLE) |
| CND45 | *1-564-882-11 | PLUG, CONNECTOR 5P |
| CND51 | *1-566-367-11 | CONNECTOR, HINGE (RECEPTACLE) |
| CND64 | *1-506-348-XX | PIN, CONNECTOR 3P |
| CND68 | *1-564-879-11 | PLUG, CONNECTOR 2P |
| CND82 | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P |
| CND83 | *1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P |
| CND84 | *1-564-038-00 | CONNECTOR PLUG, DY (MINI) 6P |
| CND91 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM) 3P |
| CND92 | *1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P |
| CND94 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM PITCH) |

<DIODE>

| | | |
|---|---|---|
| D001 | 8-719-911-19 | DIODE 1SS119 |
| D002 | 8-719-911-19 | DIODE 1SS119 |
| D003 | 8-719-911-19 | DIODE 1SS119 |
| D004 | 8-719-911-19 | DIODE 1SS119 |
| D005 | 8-719-109-71 | DIODE RD3.9ES-B1 |
| D007 | 8-719-109-89 | DIODE RD5.6ES-B2 |
| D008 | 8-719-110-85 | DIODE RD36ES-B4 |
| D009 | 8-719-109-89 | DIODE RD5.6ES-B2 |
| D011 | 8-719-911-19 | DIODE 1SS119 |
| D012 | 8-719-911-19 | DIODE 1SS119 |
| D013 | 8-719-911-19 | DIODE 1SS119 |
| D254 | 8-719-110-14 | DIODE RD9.1ES-B3 |
| D501 | 8-719-911-19 | DIODE 1SS119 |
| D504 | 8-719-911-55 | DIODE U05G |
| D506 | 8-719-000-12 | DIODE MC931 |
| D508 | 8-719-911-19 | DIODE 1SS119 |
| D509 | 8-719-911-19 | DIODE 1SS119 |
| D511 | 8-719-911-55 | DIODE U05G |
| D512 | 8-719-911-55 | DIODE U05G |
| D513 | 8-719-109-81 | DIODE RD4.7ES-B2 |
| D591 | 8-719-911-19 | DIODE 1SS119 |
| D592 | 8-719-911-19 | DIODE 1SS119 |
| D593 | 8-719-911-19 | DIODE 1SS119 |
| D601 | 8-719-946-90 | DIODE KBU4JL-6088 |
| D602 | 8-719-925-06 | DIODE ERC25-06S |
| D603 | 8-719-911-55 | DIODE U05G |
| D604 | 8-719-911-55 | DIODE U05G |
| D605 | 8-719-911-55 | DIODE U05G |
| D606 | 8-719-925-06 | DIODE ERC25-06S |
| D607 | 8-719-925-06 | DIODE ERC25-06S |
| D608 | 8-719-925-06 | DIODE ERC25-06S |
| D610 | 8-719-300-59 | DIODE CTU-12S |
| D611 | 8-719-928-08 | DIODE ERD28-06S |
| D612 | 8-719-300-59 | DIODE CTU-12S |
| D613 | 8-719-925-06 | DIODE ERC25-06S |
| D614 | 8-719-925-06 | DIODE ERC25-06S |
| D615 | 8-719-109-90 | DIODE RD5.6ES-B3 |
| D616 | 8-719-109-93 | DIODE RD6.2ES-B2 |
| D618 | 8-719-109-89 | DIODE RD5.6ES-B2 |
| D620 | 8-719-000-12 | DIODE MC931 |
| D622 | 8-719-911-19 | DIODE 1SS119 |
| D623 | 8-719-911-19 | DIODE 1SS119 |
| D624 | 8-719-911-19 | DIODE 1SS119 |
| D627 | 8-719-911-19 | DIODE 1SS119 |
| D630 | 8-719-110-39 | DIODE RD15ES-B1 |
| D632 | 8-719-110-16 | DIODE RD10ES-B1 |
| D633 | 8-719-911-19 | DIODE 1SS119 |
| D801 | 8-719-925-06 | DIODE ERC25-06S |
| D802 | 8-719-925-06 | DIODE ERC25-06S |
| D803 | 8-719-300-65 | DIODE ES1F |
| D804 | 8-719-911-55 | DIODE U05G |
| D805 | 8-719-911-55 | DIODE U05G |
| D806 | 8-719-945-80 | DIODE ERC06-15S |
| D807 | 8-719-945-80 | DIODE ERC06-15S |
| D808 | 8-719-928-08 | DIODE ERD28-08S |
| D809 | 8-719-925-06 | DIODE ERC25-06S |

<IC>

| | | |
|---|---|---|
| IC001 | 8-759-630-06 | IC M50436-614SP |
| IC002 | 8-759-979-57 | IC MB88503H-1022G |
| IC003 | 8-759-603-41 | IC M58655P |
| IC004 | 8-759-157-40 | IC UPC574J |
| IC251 | 8-759-803-31 | IC LA4280 |
| | *4-368-683-01 | SPRING; IC251 |
| IC401 | 8-752-006-12 | IC CX20061 |
| IC501 | 8-759-970-73 | IC TEA2028B |
| IC502 | 8-759-944-57 | IC TDA8170 |
| | *4-381-724-01 | HOLDER, IC; IC502 |
| IC601 | 8-759-946-23 | IC TEA2164 |
| IC608 | 8-759-700-06 | IC UPC7812H |

<COIL>

| | | |
|---|---|---|
| L001 | 1-408-414-00 | INDUCTOR 27UH |
| L501 | 1-408-225-00 | INDUCTOR 3.3UH |
| L601 | *1-420-872-00 | COIL, AIR CORE |
| L602 | 1-410-396-41 | FERRITE BEAD INDUCTOR |

D

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| L603 | 1-410-396-41 | FERRITE BEAD INDUCTOR | |
| L605 | 1-459-442-00 | COIL (WITH CORE) | |
| L606 | 1-421-013-00 | COIL, (HOLIZONTAL CHOKE) 25UH | |
| L607 | 1-408-421-00 | INDUCTOR 100UH | |
| L803 | 1-459-104-00 | COIL,DUST CORE | |
| L804 | 1-408-239-00 | INDUCTOR 4.7MMH | |
| L805 | 1-459-652-12 | HLC | |
| L806 | 1-459-115-00 | COIL,DCC-H | |
| L807 | 1-407-504-00 | INDUCTOR 10MMH | |
| L809 | *1-420-872-00 | COIL, AIR CORE | |
| L810 | 1-459-390-00 | COIL (WITH CORE) | |
| | | <IC LINK> | |
| PS601⚠ | 1-532-984-91 | LINK, IC 2A | |
| PS602⚠ | 1-532-675-91 | LINK, IC 1.5A | |
| | | <TRANSISTOR> | |
| Q001 | 8-729-600-24 | TRANSISTOR 2SC403SP-51 | |
| Q002 | 8-729-173-38 | TRANSISTOR 2SA733-K | |
| Q003 | 8-729-173-38 | TRANSISTOR 2SA733-K | |
| Q004 | 8-729-173-38 | TRANSISTOR 2SA733-K | |
| Q252 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q501 | 8-729-173-38 | TRANSISTOR 2SA733-K | |
| Q502 | 8-729-173-38 | TRANSISTOR 2SA733-K | |
| Q503 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q505 | 8-729-114-96 | TRANSISTOR 2SD774-34 | |
| Q506 | 8-729-140-97 | TRANSISTOR 2SB734-34 | |
| Q507 | 8-729-173-38 | TRANSISTOR 2SA733-K | |
| Q591 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q598 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q601 | 8-729-122-03 | TRANSISTOR 2SA1220A-Q | |
| Q602 | 8-729-209-02 | TRANSISTOR 2SD1548-LB | |
| | *4-368-683-01 | SPRING; Q602 | |
| Q603 | 8-729-820-15 | TRANSISTOR 2SB1185-E | |
| Q604 | 8-729-308-92 | TRANSISTOR 2SD789-03C | |
| Q605 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q606 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q607 | 8-729-920-92 | TRANSISTOR 2SD2096-EF | |
| Q608 | *4-368-683-01 | SPRING | |
| Q609 | 8-729-308-92 | TRANSISTOR 2SD789-03C | |
| Q801 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q804 | 8-729-304-50 | TRANSISTOR 2SD1941-06 | |
| | *4-368-683-01 | SPRING; Q804 | |
| Q805 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | |
| | | <RESISTOR> | |
| R001 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R002 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R003 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R004 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R005 | 1-249-407-11 | CARBON 150 5% 1/4W | |
| R006 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R007 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| R008 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R009 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R010 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R011 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R012 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R013 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R014 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R016 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R017 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R018 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R019 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R020 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R021 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R022 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R023 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R024 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R025 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R026 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R027 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R028 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R029 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R030 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R031 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R032 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R033 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R034 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R035 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R036 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R037 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R038 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R039 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R040 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R041 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R042 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R043 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R044 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R045 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R046 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R047 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R048 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R049 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R050 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R051 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R052 | 1-249-439-11 | CARBON 68K 5% 1/4W | |
| R053 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R054 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R056 | 1-249-440-11 | CARBON 82K 5% 1/4W | |
| R057 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R058 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R059 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R060 | 1-249-436-11 | CARBON 39K 5% 1/4W | |
| R061 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R062 | 1-249-411-11 | CARBON 330 5% 1/4W | |
| R063 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R064 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R067 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R068 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R069 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R070 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R071 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R072 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R073 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R074 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R075 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R077 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R078 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R079 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R080 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R081 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R082 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R083 | 1-249-429-11 | CARBON 10K 5% 1/4W | |

D

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R084 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R085 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R086 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R087 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R088 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R090 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R091 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R093 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R094 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R095 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R096 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R097 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R098 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R099 | 1-215-900-11 | METAL OXIDE | 22K | 5% | 2W | F |
| R251 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R252 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R253 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R255 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R256 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R260 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R261 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R262 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R263 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R264 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R265 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R266 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R401 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R402 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R410 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R411 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R412 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R500 | 1-247-897-11 | CARBON | 560K | 5% | 1/4W | |
| R501 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R502 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R503 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R504 | 1-215-427-00 | METAL | 1.8K | 1% | 1/6W | |
| R505 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R506 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | |
| R507 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R509 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R510 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R511 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R512 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R513 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R514 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R515 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R516 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R517 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R518 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R519 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R520 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R521 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R522 | 1-215-469-00 | METAL | 100K | 1% | 1/6W | |
| R523 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R524 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R525 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R526 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R527 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R528 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R529 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R530 | 1-249-448-11 | CARBON | 1.2 | 5% | 1/4W | F |
| R531 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | |
| R532 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R534 | 1-247-901-11 | CARBON | 820K | 5% | 1/4W | |

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R535 | 1-249-749-00 | CARBON | 4.2M | 5% | 1/4W | |
| R536 | 1-249-749-00 | CARBON | 2.2M | 5% | 1/4W | |
| R537 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R538 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R539 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R540 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W | |
| R541 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R542 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R543 | 1-249-451-11 | CARBON | 2.2 | 5% | 1/4W | |
| R544 | 1-247-745-11 | CARBON | 330 | 5% | 1/2W | |
| R545 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R546 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R547 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R548 | 1-216-349-11 | METAL OXIDE | 1 | 5% | 1W | F |
| R549 | 1-216-454-11 | METAL OXIDE | 390 | 5% | 2W | F |
| R550 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | |
| R551 | 1-249-749-00 | CARBON | 2.2M | 5% | 1/4W | |
| R553 | 1-216-869-11 | METAL OXIDE | 1K | 5% | 1W | |
| R554 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R555 | 1-249-749-00 | CARBON | 2.2M | 5% | 1/4W | |
| R556 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R557 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R558 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R559 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R560 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R591 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R592 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R593 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R594 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R595 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R596 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R597 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R598 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R599 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R602 | 1-215-901-00 | METAL OXIDE | 33K | 5% | 2W | F |
| R603 | 1-216-359-00 | METAL OXIDE | 6.8 | 5% | 1W | F |
| R604 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R605 | 1-215-469-00 | METAL | 100K | 1% | 1/6W | |
| R606 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R607 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R608 | 1-215-901-00 | METAL OXIDE | 33K | 5% | 2W | F |
| R609 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R610 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R611 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R612 | 1-207-905-00 | WIREWOUND | 0.27 | 10% | 2W | F |
| R613 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R614 | 1-205-919-11 | WIREWOUND | 220 | 10% | 10W | F |
| R616 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R617 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R618 | 1-216-431-11 | METAL OXIDE | 560 | 5% | 1W | |
| R619 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R620 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R621 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R622 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R623 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R624 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R625 | 1-215-865-11 | METAL OXIDE | 220 | 5% | 1W | |
| R626 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R628 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R629 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R630 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R633 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R634 | 1-216-430-11 | METAL OXIDE | 390 | 5% | 1W | |

**D** **V**

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R635 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R636 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R642 | 1-216-343-00 | METAL OXIDE | 0.33 | 5% | 1W | F |
| R643 | 1-217-192-21 | WIREWOUND | 0.22 | 10% | 2W | F |
| R647 | 1-216-485-11 | METAL OXIDE | 5.6K | 5% | 3W | F |
| R648 | 1-216-485-11 | METAL OXIDE | 5.6K | 5% | 3W | F |
| R649 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | |
| R650 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R651 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R652 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | |
| R802 | 1-249-443-11 | CARBON | 0.47 | 5% | 1/4W | F |
| R805 | 1-249-448-11 | CARBON | 1.2 | 5% | 1/4W | F |
| R806 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | |
| R807 | 1-216-869-11 | METAL OXIDE | 1K | 5% | 1W | |
| R809 | 1-202-821-11 | SOLID | 1.8K | 10% | 1/2W | |
| R810 | 1-202-818-00 | SOLID | 1K | 10% | 1/2W | |
| R811 | 1-215-882-00 | METAL OXIDE | 22 | 5% | 2W | |
| R812 | 1-249-494-11 | CARBON | 68K | 5% | 1/2W | |
| R815 | 1-215-884-11 | METAL OXIDE | 47 | 5% | 2W | F |
| R816 | 1-215-868-00 | METAL OXIDE | 680 | 5% | 1W | |
| R817 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R820 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | |
| R821 | 1-247-725-11 | CARBON | 10K | 5% | 1/4W | F |
| R822 | 1-217-778-11 | FUSIBLE | 1K | 5% | 1W | F |
| R825 | 1-216-345-11 | METAL OXIDE | 0.47 | 5% | 1W | F |
| R826 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R827 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R828 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R829 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W | |
| R830 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R831 | 1-249-451-11 | CARBON | 2.2 | 5% | 1/4W | |
| R1001 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R1002 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R1003 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1005 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R1006 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R1007 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R1008 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R1009 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1012 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R5501 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R5502 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R5503 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | |
| R5504 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | |
| R5505 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |

<VARIABLE RESISTOR>

| | | |
|---|---|---|
| RV501 | 1-228-991-00 | RES, ADJ, CARBON 2.2K |
| RV502 | 1-228-994-00 | RES, ADJ, CARBON 10K |
| RV601 | 1-228-991-00 | RES, ADJ, CARBON 2.2K |

<SPARK GAP>

| | | |
|---|---|---|
| SG801 | 1-519-063-XX | DISCHARGING GAP |

<TRANSFORMER>

| | | |
|---|---|---|
| T601 ⚠ | 1-448-961-31 | S.R.T |
| T602 ⚠ | 1-424-011-12 | TRANSFORMER, PULSE |
| T801 | 1-437-090-00 | HDT |
| T802 ⚠ | 1-439-416-11 | TRANSFORMER ASSY, FLYBACK |

<TERMINAL PIN>

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| TP91 | *1-535-084-00 | 1P TERMINAL PIN | |

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| | | | |
|---|---|---|---|
| | *A-1347-030-A | V BOARD, COMPLETE | |
| | | ********** | |
| | *4-380-698-01 | CASE (MAIN), SHIELD, A1 | |
| | *4-380-699-01 | CASE (UPPER LID), SHIELD, A1 | |
| | *4-382-701-01 | CASE (BOTTOM LID), SHIELD, A2 | |

<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C01 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C02 | 1-124-120-11 | ELECT | 220MF | 20% | 16V |
| C03 | 1-124-119-00 | ELECT | 330MF | 20% | 16V |
| C04 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C05 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C06 | 1-124-120-11 | ELECT | 220MF | 20% | 16V |
| C07 | 1-124-499-11 | ELECT | 1MF | 20% | 50V |
| C08 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C09 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V |
| C10 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C11 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C12 | 1-163-127-00 | CERAMIC CHIP | 270PF | 5% | 50V |
| C13 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C14 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C15 | 1-163-103-00 | CERAMIC CHIP | 27PF | 5% | 50V |
| C16 | 1-163-021-00 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C17 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C18 | 1-163-099-00 | CERAMIC CHIP | 18PF | 5% | 50V |
| C19 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C20 | 1-163-125-00 | CERAMIC CHIP | 220PF | 5% | 50V |
| C21 | 1-163-833-00 | CERAMIC CHIP | 0.068MF | | 25V |
| C24 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C25 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C27 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C28 | 1-163-137-00 | CERAMIC CHIP | 680PF | 5% | 50V |
| C29 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C51 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C52 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C53 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C54 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C55 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C56 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C57 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V |
| C58 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V |
| C59 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V |

<CONNECTOR>

| | | |
|---|---|---|
| CNV03 | *1-508-784-00 | PIN, CONNECTOR (5MM PITCH) 1P |
| V1 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM) 3P |
| V2 | *1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P |
| V3 | *1-560-126-00 | PLUG, CONNECTOR (2.5MM) 6P |
| V4 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM PITCH) |
| V5 | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) |

<TRIMMER>

| | | |
|---|---|---|
| CT01 | 1-141-392-11 | CAP, VAR, TRIMMER (1 GANG) |

<DIODE>

| | | |
|---|---|---|
| D01 | 8-719-400-47 | DIODE MA3056M |

V J1

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| D02 | 8-719-400-95 | DIODE MA3130L | |
| D03 | 8-719-400-18 | DIODE MA152WK | |
| D04 | 8-719-105-52 | DIODE RD3.6M-B2 | |
| D07 | 8-719-400-63 | DIODE MA3068M | |
| D08 | 8-719-400-63 | DIODE MA3068M | |
| D09 | 8-719-400-18 | DIODE MA152WK | |
| D10 | 8-719-400-18 | DIODE MA152WK | |
| D11 | 8-719-914-44 | DIODE DAP202K | |
| D12 | 8-719-914-44 | DIODE DAP202K | |
| | | <IC> | |
| IC1 | 8-759-972-41 | IC MAB8461P-W136 | |
| IC2 | 8-759-972-96 | IC SAA5231-V6 | |
| IC3 | 8-759-013-21 | IC SDA5241 | |
| IC4 | 8-759-230-68 | IC TMM2063P-70 | |
| | | <COIL> | |
| L01 | 1-408-411-00 | INDUCTOR 15UH | |
| L02 | 1-408-407-00 | INDUCTOR 6.8UH | |
| L03 | 1-408-407-00 | INDUCTOR 6.8UH | |
| L04 | 1-408-407-00 | INDUCTOR 6.8UH | |
| L05 | 1-408-407-00 | INDUCTOR 6.8UH | |
| L06 | 1-408-407-00 | INDUCTOR 6.8UH | |
| | | <TRANSISTOR> | |
| Q01 | 8-729-920-92 | TRANSISTOR 2SD2096-EF | |
| Q02 | 8-729-807-50 | TRANSISTOR 2SD1623-R | |
| Q03 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| Q04 | 8-729-271-22 | TRANSISTOR 2SC2712-G | |
| Q05 | 8-729-807-50 | TRANSISTOR 2SD1623-R | |
| Q06 | 8-729-271-22 | TRANSISTOR 2SC2712-G | |
| Q07 | 8-729-900-98 | TRANSISTOR DTC143TK | |
| Q09 | 8-729-800-68 | TRANSISTOR 2SB815B6 | |
| Q10 | 8-729-800-68 | TRANSISTOR 2SB815B6 | |
| Q11 | 8-729-800-68 | TRANSISTOR 2SB815B6 | |
| | | <RESISTOR> | |
| R01 | 1-218-326-11 | METAL GLAZE 470 1/2W | |
| R02 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R04 | 1-218-326-11 | METAL GLAZE 470 1/2W | |
| R05 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W | |
| R06 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W | |
| R07 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W | |
| R08 | 1-216-037-00 | METAL GLAZE 330 5% 1/10W | |
| R09 | 1-216-091-00 | METAL GLAZE 56K 5% 1/10W | |
| R13 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W | |
| R14 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W | |
| R15 | 1-216-121-00 | METAL GLAZE 1M 5% 1/10W | |
| R16 | 1-216-055-00 | METAL GLAZE 1.8K 5% 1/10W | |
| R17 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W | |
| R18 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R19 | 1-216-037-00 | METAL GLAZE 330 5% 1/10W | |
| R20 | 1-216-043-00 | METAL GLAZE 560 5% 1/10W | |
| R27 | 1-216-013-00 | METAL GLAZE 33 5% 1/10W | |
| R28 | 1-216-013-00 | METAL GLAZE 33 5% 1/10W | |
| R29 | 1-216-013-00 | METAL GLAZE 33 5% 1/10W | |
| R30 | 1-218-325-11 | METAL GLAZE 120 1/4W | |
| R31 | 1-218-325-11 | METAL GLAZE 120 1/4W | |
| R32 | 1-218-325-11 | METAL GLAZE 120 1/4W | |
| R33 | 1-216-023-00 | METAL GLAZE 82 5% 1/10W | |
| R34 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W | |
| R37 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W | |
| R38 | 1-216-047-00 | METAL GLAZE 820 5% 1/10W | |
| R40 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R41 | 1-216-041-00 | METAL GLAZE 470 5% 1/10W | |
| R43 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R44 | 1-216-041-00 | METAL GLAZE 470 5% 1/10W | |
| R45 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W | |
| R46 | 1-216-311-00 | METAL GLAZE 6.8 5% 1/10W | |
| R51 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R52 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R53 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R54 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R55 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R56 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R57 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R58 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W | |
| R59 | 1-216-056-00 | METAL GLAZE 2K 5% 1/10W | |
| R60 | 1-216-063-00 | METAL GLAZE 3.9K 5% 1/10W | |
| R61 | 1-216-071-00 | METAL GLAZE 8.2K 5% 1/10W | |
| R62 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R63 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R64 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R65 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R66 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R67 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R68 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| R69 | 1-216-065-00 | METAL GLAZE 4.7K 5% 1/10W | |
| | | <VARIABLE RESISTOR> | |
| RV01 | 1-238-009-11 | RES, ADJ, CARBON 220 | |
| | | <CRYSTAL> | |
| X01 | 1-567-162-21 | OSCILLATOR, CRYSTAL | |
| X02 | 1-567-495-21 | OSCILLATOR, CRYSTAL | |
| X03 | 1-577-082-11 | VIBRATOR, CERAMIC | |

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*A-1371-373-A J1 BOARD, COMPLETE

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<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C1401 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C1402 | 1-126-103-11 | ELECT | 470MF | 20% | 16V |
| C1403 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C1404 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C1405 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V |
| C1406 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C1407 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C1408 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C1409 | 1-126-233-11 | ELECT | 22MF | 20% | 50V |
| C1410 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C1411 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C1412 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C1413 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C1414 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C1415 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C1416 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C1417 | 1-124-120-11 | ELECT | 220MF | 20% | 16V |
| C1418 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C1419 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C1421 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |

**J1**

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| C1423 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C1424 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C1425 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1426 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1427 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C1428 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C1429 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C1430 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V | |
| C1431 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1432 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1433 | 1-126-101-11 | ELECT | 100MF | 20% | 16V | |
| C1436 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C1437 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C1501 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1502 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1503 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C1504 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C1505 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 100V | |
| C1507 | 1-108-620-11 | MYLAR | 0.0033MF | 10% | 100V | |
| C1508 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1509 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C1511 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1512 | 1-106-363-00 | MYLAR | 0.0068MF | 10% | 400V | |
| C1513 | 1-102-963-00 | CERAMIC | 33PF | 5% | 50V | |
| C1514 | 1-106-353-00 | MYLAR | 0.027MF | 10% | 250V | |
| C1515 | 1-102-117-00 | CERAMIC | 820PF | 10% | 50V | |

<CONNECTOR>

| | | | |
|---|---|---|---|
| CN1401 | 1-536-996-11 | TERMINAL BOARD, INPUT/OUTPUT | |
| CN1402 | 1-561-534-41 | SOCKET 21P | |
| CN1403 | 1-561-534-41 | SOCKET 21P | |
| CNJ25 | *1-564-892-41 | PLUG, CONNECTOR 3P | |
| CNJ41 | *1-566-641-11 | CONNECTOR, HINGE (TAB) 18P | |
| CNJ43 | *1-564-893-11 | PLUG, CONNECTOR 4P | |
| CNJ45 | *1-564-894-11 | PLUG, CONNECTOR 5P | |
| CNJ51 | *1-566-641-11 | CONNECTOR, HINGE (TAB) 18P | |
| CNJ67 | *1-560-721-21 | PLUG, CONNECTOR 2P | |
| CNJ142 | *1-564-893-11 | PLUG, CONNECTOR 4P | |

<DIODE>

| | | | |
|---|---|---|---|
| D1401 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1403 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1404 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1405 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1406 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1407 | 8-719-110-18 | DIODE RD10ES-B3 | |
| D1408 | 8-719-110-14 | DIODE RD9.1ES-B3 | |
| D1409 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1410 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1415 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1418 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1419 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1420 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D1501 | 8-719-912-20 | DIODE 1SS120 | |
| D1502 | 8-719-911-19 | DIODE 1SS119 | |
| D1503 | 8-719-911-19 | DIODE 1SS119 | |
| D1504 | 8-719-911-19 | DIODE 1SS119 | |
| D1505 | 8-719-000-12 | DIODE MC931 | |
| D1506 | 8-719-110-85 | DIODE RD36ES-B4 | |
| D1507 | 8-719-911-19 | DIODE 1SS119 | |

<IC>

| | | | |
|---|---|---|---|
| IC1401 | 8-752-032-27 | IC CXA1114P | |
| IC1402 | 8-759-946-32 | IC TEA2014A | |
| IC1501 | 8-759-942-16 | IC TEA2031A | |

<COIL>

| | | | |
|---|---|---|---|
| L1401 | 1-412-043-11 | INDUCTOR, WIDE BAND | |
| L1402 | 1-412-043-11 | INDUCTOR, WIDE BAND | |

<TRANSISTOR>

| | | | |
|---|---|---|---|
| Q1401 | 8-729-173-38 | TRANSISTOR 2SA733-K | |
| Q1402 | 8-729-173-38 | TRANSISTOR 2SA733-K | |

<RESISTOR>

| | | | | | | |
|---|---|---|---|---|---|---|
| R1401 | 1-249-404-00 | CARBON | 82 | 5% | 1/4W | |
| R1402 | 1-247-698-11 | CARBON | 68 | 5% | 1/4W | |
| R1403 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R1404 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1405 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1407 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R1408 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R1409 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1410 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R1411 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1412 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R1413 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R1414 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R1415 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R1416 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R1417 | 1-249-404-00 | CARBON | 82 | 5% | 1/4W | |
| R1418 | 1-247-738-11 | CARBON | 82 | 5% | 1/2W | F |
| R1419 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R1420 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R1422 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1423 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R1424 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R1425 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1426 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1427 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1428 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R1429 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R1430 | 1-247-699-11 | METAL | 82 | 5% | 1/4W | |
| R1433 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R1434 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R1437 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1440 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R1441 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R1442 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R1443 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R1444 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R1445 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | |
| R1447 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R1448 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R1452 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W | |
| R1453 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W | |
| R1454 | 1-247-703-11 | METAL | 180 | 5% | 1/4W | |
| R1455 | 1-247-703-11 | METAL | 180 | 5% | 1/4W | |
| R1456 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R1501 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R1502 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R1503 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |

# SECTION 7
# ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS
- MF : μF, PF : μμF

COILS
- MMH : mH, UH : μH

Note) In this parts list, the mounting diagram is for a different product.
Therefore, an excess of parts is listed.

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | *A-1135-498-A | B BOARD, COMPLETE ********** | | | |
| | | <CAPACITOR> | | | |
| C301 | 1-106-228-00 | MYLAR | 0.22MF | 10% 100V | |
| C302 | 1-106-228-00 | MYLAR | 0.22MF | 10% 100V | |
| C303 | 1-126-101-11 | ELECT | 100MF | 20% 16V | |
| C304 | 1-106-228-00 | MYLAR | 0.22MF | 10% 100V | |
| C305 | 1-124-119-00 | ELECT | 330MF | 20% 16V | |
| C306 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C307 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C308 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C309 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C310 | 1-106-220-00 | MYLAR | 0.1MF | 10% 100V | |
| C311 | 1-106-220-00 | MYLAR | 0.1MF | 10% 100V | |
| C312 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C313 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C314 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C315 | 1-124-499-11 | ELECT | 1MF | 20% 50V | |
| C319 | 1-124-477-11 | ELECT | 47MF | 20% 16V | |
| C321 | 1-102-980-00 | CERAMIC | 270PF | 5% 50V | |
| C322 | 1-101-888-00 | CERAMIC | 68PF | 5% 50V | |
| C325 | 1-124-477-11 | ELECT | 47MF | 20% 16V | |
| C326 | 1-101-004-00 | CERAMIC | 0.01MF | 50V | |
| C327 | 1-101-004-00 | CERAMIC | 0.01MF | 50V | |
| C330 | 1-101-004-00 | CERAMIC | 0.01MF | 50V | |
| C331 | 1-124-963-11 | ELECT | 33MF | 20% 16V | |
| C332 | 1-124-119-00 | ELECT | 330MF | 20% 16V | |
| C333 | 1-101-005-00 | CERAMIC | 0.022MF | 50V | |
| C334 | 1-101-884-00 | CERAMIC | 56PF | 5% 50V | |
| C335 | 1-101-006-00 | CERAMIC | 0.047MF | 50V | |
| C336 | 1-106-367-00 | MYLAR | 0.01MF | 10% 400V | |
| C337 | 1-101-004-00 | CERAMIC | 0.01MF | 50V | |
| C338 | 1-101-888-00 | CERAMIC | 68PF | 5% 50V | |
| C339 | 1-102-816-00 | CERAMIC | 120PF | 5% 50V | |
| C340 | 1-102-953-00 | CERAMIC | 18PF | 5% 50V | |
| C341 | 1-102-978-00 | CERAMIC | 220PF | 5% 50V | |
| C342 | 1-102-953-00 | CERAMIC | 18PF | 5% 50V | |
| C343 | 1-102-816-00 | CERAMIC | 120PF | 5% 50V | |
| C344 | 1-101-888-00 | CERAMIC | 68PF | 5% 50V | |
| C345 | 1-102-978-00 | CERAMIC | 220PF | 5% 50V | |
| C346 | 1-102-074-00 | CERAMIC | 0.001MF | 10% 50V | |
| C347 | 1-124-499-11 | ELECT | 1MF | 20% 50V | |
| C348 | 1-124-499-11 | ELECT | 1MF | 20% 50V | |
| C349 | 1-136-173-00 | FILM | 0.47MF | 5% 50V | |
| C350 | 1-106-383-00 | MYLAR | 0.047MF | 10% 100V | |
| C351 | 1-106-375-12 | MYLAR | 0.022MF | 10% 250V | |
| C352 | 1-106-375-12 | MYLAR | 0.022MF | 10% 250V | |
| C354 | 1-102-074-00 | CERAMIC | 0.001MF | 10% 50V | |
| C355 | 1-102-816-00 | CERAMIC | 120PF | 5% 50V | |
| C357 | 1-102-965-00 | CERAMIC | 39PF | 5% 50V | |
| C358 | 1-124-963-11 | ELECT | 33MF | 20% 16V | |
| C359 | 1-102-963-00 | CERAMIC | 33PF | 5% 50V | |
| C360 | 1-101-004-00 | CERAMIC | 0.01MF | 50V | |
| C361 | 1-101-004-00 | CERAMIC | 0.01MF | 50V | |
| C364 | 1-101-361-00 | CERAMIC | 150PF | 5% 50V | |
| C365 | 1-124-477-11 | ELECT | 47MF | 20% 16V | |
| C366 | 1-124-477-11 | ELECT | 47MF | 20% 16V | |
| C367 | 1-101-004-00 | CERAMIC | 0.01MF | 50V | |
| C368 | 1-101-880-00 | CERAMIC | 47PF | 5% 50V | |
| C381 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C382 | 1-124-927-11 | ELECT | 4.7MF | 20% 50V | |
| C384 | 1-124-477-11 | ELECT | 47MF | 20% 16V | |
| C385 | 1-124-927-11 | ELECT | 4.7MF | 20% 50V | |
| C387 | 1-124-902-00 | ELECT | 0.47MF | 20% 50V | |
| C1311 | 1-101-884-00 | CERAMIC | 56PF | 5% 50V | |
| | | <CONNECTOR> | | | |
| CNB31 | *1-562-370-21 | CONNECTOR, BOARD TO BOARD 18P | | | |
| CNB72 | *1-564-895-11 | PLUG, CONNECTOR 6P | | | |
| CNB93 | *1-560-278-41 | PLUG, CONNECTOR 6P | | | |
| | | <TRIMMER> | | | |
| CT331 | 1-141-181-11 | CAP, TRIMMER | | | |
| CT332 | 1-141-181-11 | CAP, TRIMMER | | | |
| | | <DIODE> | | | |
| D301 | 8-719-911-19 | DIODE 1SS119 | | | |
| D302 | 8-719-911-19 | DIODE 1SS119 | | | |
| D303 | 8-719-911-19 | DIODE 1SS119 | | | |
| D304 | 8-719-911-19 | DIODE 1SS119 | | | |
| D305 | 8-719-911-19 | DIODE 1SS119 | | | |
| D307 | 8-719-110-23 | DIODE RD11ES-B3 | | | |
| D309 | 8-719-911-19 | DIODE 1SS119 | | | |
| D331 | 8-719-911-19 | DIODE 1SS119 | | | |
| D333 | 8-719-911-19 | DIODE 1SS119 | | | |
| D341 | 8-719-911-19 | DIODE 1SS119 | | | |
| | | <DELAY LINE> | | | |
| DL331 | 1-415-122-00 | DELAY LINE | | | |
| DL332 | 1-236-062-11 | MODULE, Y DELAY LINE | | | |
| | | <IC> | | | |
| IC301 | 8-759-979-85 | IC TDA4580-V4 | | | |
| IC302 | 8-759-980-60 | IC TDA8442-N3 | | | |
| IC331 | 8-759-947-20 | IC TDA4555-V8 | | | |

**B**

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | | <COIL> | | | | |
| L301 | 1-410-868-21 | INDUCTOR | 4.7UH | | | |
| L302 | 1-410-868-21 | INDUCTOR | 4.7UH | | | |
| L303 | 1-408-408-00 | INDUCTOR | 8.2UH | | | |
| L304 | 1-408-409-00 | INDUCTOR | 10UH | | | |
| L331 | 1-408-408-00 | INDUCTOR | 8.2UH | | | |
| L332 | 1-404-539-11 | COIL | | | | |
| L333 | 1-404-554-11 | COIL | | | | |
| L334 | 1-404-554-11 | COIL | | | | |
| L335 | 1-404-554-11 | COIL | | | | |
| L336 | 1-408-417-00 | INDUCTOR | 47UH | | | |
| L338 | 1-408-416-00 | INDUCTOR | 39UH | | | |
| L339 | 1-410-868-21 | INDUCTOR | 4.7UH | | | |
| | | <TRANSISTOR> | | | | |
| Q302 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q303 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q305 | 8-729-900-36 | TRANSISTOR | DTC124ES | | | |
| Q306 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q311 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q312 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q313 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q316 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q331 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q332 | 8-729-900-36 | TRANSISTOR | DTC124ES | | | |
| Q333 | 8-729-900-36 | TRANSISTOR | DTC124ES | | | |
| Q334 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q335 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q336 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q381 | 8-729-900-36 | TRANSISTOR | DTC124ES | | | |
| Q382 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q1306 | 8-729-173-38 | TRANSISTOR | 2SA733-K | | | |
| | | <RESISTOR> | | | | |
| R301 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R302 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R303 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R304 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R305 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R307 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R308 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R309 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R310 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R311 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R312 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R313 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R314 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R315 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | |
| R316 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | |
| R317 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | |
| R318 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R319 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R320 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R321 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R322 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R323 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R324 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R325 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R326 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R327 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R328 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | |
| R329 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | |
| R330 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | |
| R331 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R332 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R333 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W | |
| R334 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R335 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R336 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R337 | 1-247-848-11 | CARBON | 5.1K | 5% | 1/4W | |
| R338 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R339 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R340 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R341 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R342 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R343 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R344 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R346 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R347 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R348 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R349 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R350 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R351 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R352 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R353 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R354 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R355 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R356 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R358 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R359 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R360 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R361 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R363 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R364 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R365 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R367 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R368 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R369 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R370 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R371 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R376 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R378 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R379 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R380 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R381 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | |
| R382 | 1-247-885-00 | CARBON | 180K | 5% | 1/4W | |
| R383 | 1-247-893-11 | CARBON | 390K | 5% | 1/4W | |
| R385 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R389 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R390 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R391 | 1-249-404-00 | CARBON | 82 | 5% | 1/4W | |
| R392 | 1-249-402-11 | CARBON | 56 | 5% | 1/4W | |
| R393 | 1-249-402-11 | CARBON | 56 | 5% | 1/4W | |
| R394 | 1-249-402-11 | CARBON | 56 | 5% | 1/4W | |
| R398 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R1324 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| | | <VARIABLE RESISTOR> | | | | |
| RV331 | 1-238-009-11 | RES, ADJ, CARBON 220 | | | | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

B F2 F1 A

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | | <TRANSFORMER> | | | | |
| T331 | 1-404-584-11 | COIL | | | | |
| | | <CRYSTAL> | | | | |
| X331 | 1-567-307-11 | OSCILLATOR, CRYSTAL | | | | |
| X332 | 1-567-131-00 | OSCILLATOR, CRYSTAL | | | | |
| ********** | | | | | | |
| | *1-629-720-21 | F2 BOARD<br>******** | | | | |
| | | <CONNECTOR> | | | | |
| CNF262 | *1-566-664-11 | PIN, CONNECTOR 4P | | | | |
| | | <SWITCH> | | | | |
| S1701⚠ | 1-571-410-11 | SWITCH, PUSH (AC POWER)(1 KEY) | | | | |
| ********** | | | | | | |
| | *1-629-719-21 | F1 BOARD<br>******** | | | | |
| | | <CAPACITOR> | | | | |
| C1601⚠ | 1-136-518-11 | FILM | 0.33MF | 20% | 300V | |
| C1602⚠ | 1-136-519-11 | FILM | 0.47MF | 20% | 300V | |
| C1603⚠ | 1-162-578-51 | CERAMIC | 0.0047MF | 20% | 400V | |
| C1604⚠ | 1-162-578-51 | CERAMIC | 0.0047MF | 20% | 400V | |
| C1605⚠ | 1-162-578-51 | CERAMIC | 0.0047MF | 20% | 400V | |
| C1606⚠ | 1-162-578-51 | CERAMIC | 0.0047MF | 20% | 400V | |
| C1607⚠ | 1-161-964-61 | CERAMIC | 0.0047MF | | 250V | |
| | | <CONNECTOR> | | | | |
| CNF61 | *1-566-664-11 | PIN, CONNECTOR 4P | | | | |
| CNF64 | *1-506-348-XX | PIN, CONNECTOR 3P | | | | |
| CNF65 | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P | | | | |
| CNF66 | *1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P | | | | |
| CNF67 | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| CNF162 | *1-506-348-XX | PIN, CONNECTOR 4P | | | | |
| | | <FUSE> | | | | |
| F1601⚠ | 1-532-350-11 | FUSE, TIME-LAG 4A/250V | | | | |
| | 1-533-087-00 | HOLDER, FUSE; F1601 | | | | |
| | | <FILTER> | | | | |
| ⚠LF1601 | 1-421-866-12 | LFT | | | | |
| ⚠LF1602 | 1-421-776-11 | LFT | | | | |
| ⚠LF1603 | 1-421-592-11 | TRANSFORMER, FERRITE | | | | |
| | | <RESISTOR> | | | | |
| R1601⚠ | 1-246-513-75 | CARBON | 47K | 5% | 1/4W | |
| R1602⚠ | 1-244-945-91 | CARBON | 1M | 5% | 1/2W | |
| R1603⚠ | 1-217-328-11 | WIREWOUND | 2.7 | 10% | 7W | F |
| R1604⚠ | 1-246-513-75 | CARBON | 47K | 5% | 1/4W | |
| R1605⚠ | 1-218-265-91 | METAL GLAZE | 8.2M | 5% | 1W | |
| | | <THERMISTOR> | | | | |
| ⚠THP601 | 1-808-059-31 | THERMISTOR, POSITIVE | | | | |
| ********** | | | | | | |
| | *A-1296-476-A | A BOARD, COMPLETE<br>********** | | | | |
| | ⚠1-465-053-11 | TUNER, ET (UV-615S) | | | | |
| | *4-380-698-01 | CASE (MAIN), SHIELD, A1 | | | | |
| | *4-380-699-01 | CASE (UPPER LID), SHIELD, A1 | | | | |
| | *4-382-701-01 | CASE (BOTTOM LID), SHIELD, A2 | | | | |
| | | <CAPACITOR> | | | | |
| C101 | 1-126-233-11 | ELECT | 22MF | 20% | 50V | |
| C102 | 1-126-103-11 | ELECT | 470MF | 20% | 16V | |
| C103 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C104 | 1-106-216-00 | MYLAR | 0.068MF | 10% | 100V | |
| C105 | 1-106-216-00 | MYLAR | 0.068MF | 10% | 100V | |
| C106 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C107 | 1-102-963-00 | CERAMIC | 33PF | 5% | 50V | |
| C108 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C109 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C110 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C111 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C112 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C113 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C114 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C118 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C119 | 1-126-101-11 | ELECT | 100MF | 20% | 16V | |
| C120 | 1-124-925-11 | ELECT | 2.2MF | 20% | 50V | |
| C121 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C122 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C123 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C124 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V | |
| C125 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V | |
| C127 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C128 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C129 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V | |
| C130 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C131 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | |
| C132 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C133 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C134 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C135 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C136 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | |
| C137 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C138 | 1-124-925-11 | ELECT | 2.2MF | 20% | 50V | |
| C139 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C140 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C141 | 1-136-298-00 | FILM | 0.0033MF | 2% | 100V | |
| C142 | 1-102-816-00 | CERAMIC | 120PF | 5% | 50V | |
| C143 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V | |
| C144 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C145 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C146 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C147 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C148 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C149 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V | |
| C150 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V | |
| C151 | 1-126-233-11 | ELECT | 22MF | 20% | 50V | |
| C152 | 1-126-233-11 | ELECT | 22MF | 20% | 50V | |
| C153 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C154 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V | |

A

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| C155 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C156 | 1-136-157-00 | FILM | 0.022MF | 5% | 50V | |
| C157 | 1-136-161-00 | FILM | 0.047MF | 5% | 50V | |
| C158 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C159 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C161 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C162 | 1-102-816-00 | CERAMIC | 120PF | 5% | 50V | |
| C163 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C164 | 1-106-367-00 | MYLAR | 0.01MF | 10% | 400V | |
| C165 | 1-136-287-11 | FILM | 0.0047MF | 5% | 50V | |
| C167 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C168 | 1-106-228-00 | MYLAR | 0.22MF | 10% | 100V | |
| C169 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C174 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C177 | 1-102-119-00 | CERAMIC | 0.0015MF | 10% | 50V | |
| C187 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C188 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C189 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C190 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| | | <FILTER> | | | | |
| CD102 | 1-404-745-11 | DISCRIMINATOR, CERAMIC | | | | |
| CD103 | 1-404-746-11 | DISCRIMINATOR, CERAMIC | | | | |
| CF101 | 1-404-134-00 | TRAP, CERAMIC (5.5MHZ) | | | | |
| CF103 | 1-527-840-00 | FILTER, CERAMIC | | | | |
| CF104 | 1-527-839-00 | FILTER, CERAMIC | | | | |
| SWF101 | 1-577-254-11 | SAWF | | | | |
| | | <CONNECTOR> | | | | |
| CNA11 | *1-566-659-11 | CONNECTOR, HINGE (SOCKET) 18P | | | | |
| | | <DIODE> | | | | |
| D105 | 8-719-109-92 | DIODE RD6.2ES-B1 | | | | |
| D106 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D108 | 8-719-000-06 | DIODE MC921 | | | | |
| D110 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D111 | 8-719-109-68 | DIODE RD3.6ES-B1 | | | | |
| | | <IC> | | | | |
| IC101 | 8-759-909-08 | IC TDA3541 | | | | |
| IC102 | 8-759-973-86 | IC TDA2558 | | | | |
| IC103 | 8-759-030-48 | IC TDA6600-2 | | | | |
| IC104 | 8-759-946-99 | IC TDA2595-V7 | | | | |
| | | <COIL> | | | | |
| L101 | 1-408-226-00 | INDUCTOR | 82UH | | | |
| L102 | 1-410-116-11 | INDUCTOR | 0.56MMH | | | |
| L103 | 1-408-406-00 | INDUCTOR | 5.6UH | | | |
| L104 | 1-408-411-00 | INDUCTOR | 15UH | | | |
| L106 | 1-408-415-00 | INDUCTOR | 33UH | | | |
| L107 | 1-408-406-00 | INDUCTOR | 5.6UH | | | |
| L108 | 1-408-412-00 | INDUCTOR | 18UH | | | |
| L109 | 1-408-412-00 | INDUCTOR | 18UH | | | |
| L110 | 1-410-064-11 | INDUCTOR | 2.7MMH | | | |
| L111 | 1-408-421-00 | INDUCTOR | 100UH | | | |
| L113 | 1-408-399-00 | INDUCTOR | 1.5UH | | | |
| | | <TRANSISTOR> | | | | |
| Q101 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q102 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q103 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q104 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q105 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q106 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q107 | 8-729-173-38 | TRANSISTOR 2SA733-K | | | | |
| Q108 | 8-729-900-65 | TRANSISTOR DTA144ES | | | | |
| Q109 | 8-729-900-89 | TRANSISTOR DTC144ES | | | | |
| Q110 | 8-729-173-38 | TRANSISTOR 2SA733-K | | | | |
| Q111 | 8-729-900-89 | TRANSISTOR DTC144ES | | | | |
| Q112 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q113 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q116 | 8-729-900-65 | TRANSISTOR DTA144ES | | | | |
| Q117 | 8-729-173-38 | TRANSISTOR 2SA733-K | | | | |
| | | <RESISTOR> | | | | |
| R101 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R102 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R103 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R104 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R105 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R106 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R107 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R108 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R109 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R110 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R111 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R112 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R114 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R115 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R116 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R117 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R118 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R119 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R121 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R122 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | |
| R123 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R124 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R125 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R126 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | |
| R127 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | |
| R128 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | |
| R129 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R130 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R132 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R133 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R134 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R135 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R136 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R137 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R138 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R139 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R140 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R141 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R142 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R143 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R144 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | |
| R146 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R148 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R150 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R151 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R152 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |

J1 J2 H3 H4 KS

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R1504 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R1505 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R1506 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R1509 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R1510 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R1511 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1512 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1513 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R1514 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1515 | 1-247-899-11 | CARBON | 680K | 5% | 1/4W | |
| R1516 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | |
| R1517 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R1518 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1519 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R1520 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R1521 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R1556 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |

<VARIABLE RESISTOR>

| | | | |
|---|---|---|---|
| RV1501 | 1-238-023-11 | RES, ADJ, CARBON | 470K |
| RV1502 | 1-228-994-00 | RES, ADJ, CARBON | 10K |
| RV1503 | 1-238-017-11 | RES, ADJ, CARBON | 22K |
| RV1504 | 1-238-012-11 | RES, ADJ, CARBON | 1K |
| RV1505 | 1-238-023-11 | RES, ADJ, CARBON | 470K |
| RV1506 | 1-238-017-11 | RES, ADJ, CARBON | 22K |
| RV1507 | 1-238-009-11 | RES, ADJ, CARBON | 220 |
| RV1508 | 1-238-016-11 | RES, ADJ, CARBON | 10K |
| RV1509 | 1-228-999-00 | RES, ADJ, CARBON | 470K |

**********

*1-629-783-21 J2 BOARD
********

<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C1401 | 1-126-105-11 | ELECT | 1000MF | 20% | 35V |
| C1402 | 1-126-105-11 | ELECT | 1000MF | 20% | 35V |

<CONNECTOR>

| | | |
|---|---|---|
| CNJ23 | *1-564-893-11 | PLUG, CONNECTOR 4P |
| CNJ242 | *1-564-893-11 | PLUG, CONNECTOR 4P |

<JACK>

| | | |
|---|---|---|
| J1401 | 1-507-806-00 | JACK |

<RESISTOR>

| | | | | | |
|---|---|---|---|---|---|
| R1401 | 1-247-708-11 | CARBON | 470 | 5% | 1/4W |
| R1402 | 1-247-708-11 | CARBON | 470 | 5% | 1/4W |

**********

*1-629-785-21 H3 BOARD
********

<CONNECTOR>

| | | |
|---|---|---|
| CNH302 | *1-564-898-11 | PLUG, CONNECTOR 9P |
| CNH303 | *1-564-892-41 | PLUG, CONNECTOR 3P |

<DIODE>

| | | |
|---|---|---|
| D1405 | 8-719-812-41 | DIODE TLR124 |
| | *4-348-208-00 | HOLDER, LED; D1405 |

<SWITCH>

| | | |
|---|---|---|
| S1401 | 1-571-085-21 | SWITCH, TACTICLE |
| S1402 | 1-571-085-21 | SWITCH, TACTICLE |
| S1403 | 1-571-085-21 | SWITCH, TACTICLE |
| S1404 | 1-571-085-21 | SWITCH, TACTICLE |
| S1405 | 1-571-085-21 | SWITCH, TACTICLE |
| S1406 | 1-571-085-21 | SWITCH, TACTICLE |
| S1407 | 1-571-085-21 | SWITCH, TACTICLE |
| S1408 | 1-571-085-21 | SWITCH, TACTICLE |
| S1409 | 1-571-085-21 | SWITCH, TACTICLE |
| S1410 | 1-571-085-21 | SWITCH, TACTICLE |
| S1411 | 1-571-085-21 | SWITCH, TACTICLE |
| S1412 | 1-571-085-21 | SWITCH, TACTICLE |
| S1414 | 1-571-085-21 | SWITCH, TACTICLE |

**********

*1-629-786-21 H4 BOARD
********

| | | |
|---|---|---|
| *4-374-987-01 | GUIDE, LIGHT | |
| *4-388-955-01 | BRACKET (B), LIGHT GUIDE | |

<CONNECTOR>

| | | |
|---|---|---|
| CNH401 | *1-564-884-11 | PLUG, CONNECTOR 7P |
| CNH403 | *1-564-880-31 | PLUG, CONNECTOR 3P |

<DIODE>

| | | |
|---|---|---|
| D1401 | 8-719-948-31 | DIODE LD-201VR |
| | *4-387-825-01 | HOLDER, LED; D1401 |
| D1402 | 8-719-948-31 | DIODE LD-201VR |
| | *4-387-825-01 | HOLDER, LED; D1402 |
| D1403 | 8-719-948-31 | DIODE LD-201VR |
| | *4-387-825-01 | HOLDER, LED; D1403 |
| D1404 | 8-719-948-31 | DIODE LD-201VR |

<IC>

| | | |
|---|---|---|
| IC1401 | 8-741-138-70 | IC BX-1387 |
| IC1401 | 8-749-901-33 | IC SBX1483-11 |

**********

*1-629-781-21 KS BOARD
********

<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C202 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C203 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C204 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C205 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C206 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C207 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C213 | 1-126-233-11 | ELECT | 22MF | 20% | 50V |
| C214 | 1-106-363-00 | MYLAR | 0.0068MF | 10% | 400V |
| C217 | 1-106-363-00 | MYLAR | 0.0068MF | 10% | 400V |
| C218 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V |
| C219 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V |

Ks

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| C220 | 1-108-620-11 | MYLAR | 0.0033MF | 10% | 100V | |
| C221 | 1-108-620-11 | MYLAR | 0.0033MF | 10% | 100V | |
| C222 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C223 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C224 | 1-106-367-00 | MYLAR | 0.01MF | 10% | 400V | |
| C225 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | |
| C226 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | |
| C227 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C228 | 1-106-379-12 | MYLAR | 0.033MF | 10% | 250V | |
| C229 | 1-106-371-00 | MYLAR | 0.015MF | 10% | 400V | |
| C230 | 1-106-371-00 | MYLAR | 0.015MF | 10% | 400V | |
| C231 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C232 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C233 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C234 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C235 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C236 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C237 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C238 | 1-102-978-00 | CERAMIC | 220PF | 5% | 50V | |
| C239 | 1-126-103-11 | ELECT | 470MF | 20% | 16V | |

<CONNECTOR>

| | | | |
|---|---|---|---|
| CNK21 | *1-562-370-21 | CONNECTOR, BOARD TO BOARD 18P | |
| CNK25 | *1-564-880-31 | PLUG, CONNECTOR 3P | |

<DIODE>

| | | | |
|---|---|---|---|
| D201 | 8-719-110-14 | DIODE RD9.1ES-B3 | |
| D202 | 8-719-110-14 | DIODE RD9.1ES-B3 | |
| D205 | 8-719-110-04 | DIODE RD7.5ES-B3 | |
| D206 | 8-719-110-04 | DIODE RD7.5ES-B3 | |

<IC>

| | | | |
|---|---|---|---|
| IC201 | 8-759-013-17 | IC TDA6200 | |

<TRANSISTOR>

| | | | |
|---|---|---|---|
| Q201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q202 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |

<RESISTOR>

| | | | | | |
|---|---|---|---|---|---|
| R201 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R202 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R203 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R204 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R205 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R206 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W |
| R207 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W |
| R208 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R209 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R210 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R211 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R212 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R213 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R214 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R215 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R216 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R217 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R218 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R219 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R220 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R221 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R222 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R223 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R224 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R225 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R226 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R227 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R228 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R229 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R230 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R231 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R232 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |

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MISCELLANEOUS
**********

| | | | |
|---|---|---|---|
| ⚠ | 1-451-311-31 | DEFLECTION YOKE (Y25FXA) | |
| | 1-452-032-00 | MAGNET, DISK; 10MMφ | |
| | 1-452-094-00 | MAGNET, RPTATABLE DISK; 15MMφ | |
| | 1-452-277-00 | MAGNET, BMC | |
| | 1-503-642-41 | SPEAKER | |
| | 1-574-565-11 | CORD (WITH PLUG) | |
| ⚠ | 1-559-346-12 | CORD, POWER (WITH CONNECTOR) | |
| L901 ⚠ | 1-426-372-11 | COIL, DEMAGNETIZATION | |
| V901 ⚠ | 8-733-224-05 | PICTURE TUBE (A59JWC60X) | |

**********

ACCESSORIES AND PACKING MATERIALS
**********

| PART NO. | DESCRIPTION | REMARK |
|---|---|---|
| A-1470-844-A | COMMANDER ASSY (RM-673) | |
| 3-750-032-51 | MANUAL, INSTRUCTION | |
| *4-381-155-01 | BAG, PROTECTION | |
| *4-387-845-02 | CUSHION (UPPER) (ASSY) | |
| *4-387-846-02 | CUSHION (LOWER) (ASSY) | |
| *4-387-847-01 | INDIVIDUAL CARTON | |

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9-964-242-01

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TV Group

English
89BJ0543-1
Printed in Japan
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